



BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Agency Interest No. 1101
Activity No.: PER20070004

Mr. Guy Tenini
Plant Manager
E.I. DuPont de Nemours & Co., Inc.
586 Highway 44
LaPlace, LA 70068

RE: Part 70 Operating Permit Renewal, Diamines Unit, E.I. DuPont de Nemours & Co., Inc.
LaPlace, St. John the Baptist Parish, Louisiana

Dear Mr. Tenini:

This is to inform you that a permit renewal and modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 2090-V2

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary

CSN:MFC

c: US EPA Region VI

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**DIAMINES UNIT, PONTCHARTRAIN SITE
AGENCY INTEREST NO. 1101
E.I. DUPONT DE NEMOURS & CO., INC.
LAPLACE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

I. BACKGROUND

E.I. DuPont de Nemours & Co. (DuPont) operates the Diamines and the Business Development Units as well as utility facilities in the Power Unit in LaPlace, Louisiana. This Operating Permit is for the Diamines Unit. The Diamines Unit currently operates under Part 70 Operating Permit No. 2090-V1 issued May 2, 2007.

II. ORIGIN

E.I. DuPont de Nemours & Co. submitted a permit application and Emission Inventory Questionnaire (EIQ) dated November 1, 2007, requesting a Part 70 Operating Permit renewal and modification. Additional information dated March 24, 2008 was also received.

III. DESCRIPTION

The Diamines facility was originally designed to produce p-Phenylenediamine (PPDA) from ammonia and aniline. In the current process, ammonia is reacted with aniline using a DuPont proprietary process to produce p-Phenylenediamine by a sequence of reaction steps. The stream from the reactor is flashed to remove light ends and distilled to produce the final product (PPDA) and co-products MPDA (m-Phenylenediamine), OPDA (o-Phenylenediamine) and benzene.

Reactor and distillation vent streams pass through dedicated scrubbers and/or flares prior to release to the atmosphere. Wherever possible, ammonia, which is used in the process, is recovered and recycled back to the process. Unrecoverable ammonia is either abated or flared.

The Diamines facility produces alternate diamines as market conditions change, so long as specified permit limits are not exceeded. Under LAC 33:III.507.G.5, DuPont alternates operating scenarios by using the existing equipment to produce alternate products and co-products from time to time. Such changes are documented.

The table below lists the possible campaigns DuPont might run in the Diamines Unit, other than normal PPDA production. Since the campaigns involve production or rework of isomers of p-Phenylenediamine (PPDA), the associated emissions are not expected to change.

Unit	Campaign Designation	Product	Amount (MMLEBS/YR)	Operation
PPDA	Rework of Offsite MPDA (m-phenylenediamine)	MPDA	1-5	Rework
PPDA	Production of x - isomer	OPDA MPDA	1-5	Production

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Flammable Vent Header Flare No. 2 (1500-66) is used as the primary flare, with Flammable Vent Header Flare No. 1 (1500-34) as the alternate, to be used when the primary flare is out of service. As a result, there is only one flare in operation at any given time. Also, the Truck Loading Scrubber (1500-65) is used in alternate service with the Product Storage Tank Scrubber (1500-11). Emissions from both flares and both scrubbers are capped for operational flexibility and to avoid over permitting these sources.

Some tanks are also used in alternate service in the Diamines Unit. The Crude/No.3 Product Storage Tank (1500-8A) may be used to store either crude material or product. The Aniline Storage Tank (1500-9) may also be used for Fuel Oil Storage. The Specialty Storage Tank (1500-54B) is primarily used as Aqueous Waste Tank and may also be used for Fuel Oil Storage. Each one of the above tanks' EIJs lists the emissions from the operating scenario that provides the highest potential to emit.

The Waste Heat Generator (1500-12) and the Product Loading Scrubber (1500-45) are pollution control devices shared by the Diamines Unit and the Business Development Unit. The EIJs for these sources list the combined emissions from both units. The combined emissions have been included in the Diamines Unit permit since the majority of the emissions come from this unit.

Products from the Diamines Unit are shipped out of the facility by truck or railcar. Vapors from truck loading return to the storage tank vent scrubber. Railcar loading vapors pass through a dedicated loading scrubber.

This permit renewal proposes:

- 1-To increase the operating time of the Product Loading Scrubber (1500-45);
- 2-To update regulatory tables for IPP Column (1500-34J) for NSPS Subpart NNN applicability from "does not apply" to "exempt"; and
- 3-To update VOC speciation for Flares No. 1 and 2 (1500-34 & 1500-66).

Estimated emissions from the Diamines Unit in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	0.854	0.854	-
SO ₂	0.144	0.144	-
NO _X	279.66	279.66	-
CO	15.59	15.59	-
VOC	13.52	13.72*	+ 0.2
Nitric Acid	0.056	0.056	-
Ammonia	33.93	33.93	-

*See next page for VOC speciation

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***VOC Speciation:**

LAC 33:III.Chapter 51 TAPs:

Aniline	5.30
Benzene	0.78
Biphenyl	0.045
Ethylene Glycol	0.001
p-Phenylenediamine (Table 51.3)	0.23
Other VOC:	
o-Phenylenediamine	0.28
Non-toxic VOCs	7.084
Total	13.72

The DuPont site is a major source of toxic air pollutants (TAPs). The Diamines Unit emits ammonia, aniline, and benzene above their respective minimum emission rate (MER). Therefore, the Diamines Unit shall comply with all applicable provisions of the Louisiana Air Toxics Program, LAC 33:III.Chapter 51, regarding these compounds.

The Diamines Unit is a Synthetic Organic Chemical Manufacturing Industry (SOCMI) facility. The Diamines Unit shall comply with the applicable provisions of the National Emission Standards for Organic Hazardous Air Pollutants, 40 CFR 63 Subparts F, G and H for process vents, storage vessels, transfer operations, wastewater and equipment leaks.

IV. TYPE OF REVIEW

This permit was reviewed for compliance with the Louisiana Preconstruction and Part 70 Operating Permit Program, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Organic Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

V. CREDIBLE EVIDENCE

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

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VI. PUBLIC NOTICE

A notice requesting public comment on the proposed permit was published in The Advocate, Baton Rouge, Louisiana, on <date>, 2008, in L'Observateur, La Place, Louisiana on <date>, 2008 and in the Office of Environmental Services Public Notice Mailing List on <date>, 2008. The proposed permit was also submitted to US EPA Region VI. All comments will be considered prior to the final permit decision.

VII. EFFECTS ON AMBIENT AIR

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

Dispersion Model(s) Used: <None>

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)

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VIII. GENERAL CONDITION XVII ACTIVITIES

<u>Work Activity</u>	<u>Schedule</u>	<u>VOC</u> (lbs/yr)	<u>NOx</u> (lbs/yr)	<u>Ammonia</u> (lbs/yr)
1. Routine Maintenance Activities	As needed	15.0 (aniline), 15.0 (benzene), 15.0 (PPDA), 15.0 (biphenyl)		15.0
2. Shutdowns or Inspections of Control Devices:				
Start-up Flare (1500-2)	240 hrs/year	0.2 (aniline), 0.1 (benzene)		5.8
Abator Stack (1500-3)	240 hrs/year	-		-
Crude Storage Tank Scrubber (1500-8)	240 hrs/year	50.0 (PPDA)		-
Product Storage Tank Scrubber (1500-11)	240 hrs/year	25.0 (PPDA)		-
1527 Scrubber (1500-17/18)	240 hrs/year	1.4 (aniline), 0.01 (benzene)		2.1
FVH Flare maintenance (1500-34 & 1500-66)	72 hrs/year	5.5 (aniline), 4.8 (benzene), 1.1 (PPDA)		1.5
Hydrogenate Stg Tank Scrubber (1500-38)	240 hrs/year	8.1 (aniline), 0.3 (benzene)		7.7
Product Loading Scrubber (1500-45)	240 hrs/year	-		-
Ammonia Recovery Column Flare (1500-60)	240 hrs/year	0.2 (aniline), 0.1 (benzene)		5.8
Truck Loading Scrubber (1500-65)	240 hrs/year	25.1 (PPDA)		-
3. Utility Outages:				
Temporary boilers	As needed	14.0	756.0	-
4. Transfer of Materials:				
Transfer of materials from tanks	As needed	2.0 (aniline), 2.0 (benzene), 2.0 (PPDA), 2.0 (biphenyl)		2.0
Catalyst changes	As needed	2.0 (aniline), 2.0 (benzene), 2.0 (PPDA), 2.0 (biphenyl)		2.0
Carbon bed changeouts	As needed	10.0 (aniline), 10.0 (benzene), 10.0 (PPDA)		-
5. Sampling of Materials	As needed	2.0 (aniline), 2.0 (benzene), 2.0 (PPDA), 2.0 (biphenyl)		2.0
NO _x Analyzer	As needed	-	5200.0	-
Ammonia Air Analyzer	As needed	-		200.0
6. Exhaust System Filter Replacement	As needed	1.0 (aniline), 1.0 (benzene), 1.0 (biphenyl)		1.0
7. Tank, Sump & Shipping Container Cleaning	As needed	0.25 (aniline), 0.25 (benzene), 0.25 (PPDA), 0.25 (biphenyl)		0.25
Crude Storage Tank water washes (1500-8)	As needed	1.0 (PPDA)		-
PPDA Storage Tanks water washes (1500-11)	As needed	1.0 (PPDA)		-
Other tanks	As needed	10.0 (aniline), 10.0 (benzene), 10.0 (PPDA), 10.0 (biphenyl)		10.0
Wastewater Sumps	As needed	1.0 (aniline), 1.0 (benzene), 1.0 (PPDA), 1.0 (biphenyl)		1.0
Washes of trailers, isos, totes, and other portable containers	As needed	10.0 (aniline), 10.0 (PPDA)		-
8. R & D Lab and Semi-Works	As needed	240.0 (aniline), 180.0 (benzene), 140.0 (nitrobenzene), 500.0 (methanol), 280.0 (n-butanol)		300.0

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IX. INSIGNIFICANT ACTIVITIES

<u>Description</u>	<u>Regulation</u>
1. Quality Control Lab Activities	LAC 33:III.501.B.5.A
2. Painting, Lubrication and Cleaning of Equipment	LAC 33:III.501.B.5.B
3. Miscellaneous Sandblasting	LAC 33:III.501.B.5.B
4. Miscellaneous Equipment Maintenance	LAC 33:III.501.B.5.B
5. Emissions from Steam Leaks, etc.	LAC 33:III.501.B.5.B

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ATTACHMENT A

Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the applicable fugitive emission monitoring programs being streamlined, as indicated in the following table. Non-compliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions programs.

- A. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (40 CFR 63 Subpart H) shall be monitored as required by the most stringent requirements of any other program being streamlined and shall not be exempted. The streamlined program shall include any exemptions based on size of component available in any of the programs being streamlined.
- B. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters.
- C. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted by July 31 and January 31, to cover the periods January 1 through June 30 and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit	Programs Being Streamlined	Stream Applicability	Overall Most Stringent Program
Diamines Unit	40 CFR 63 Sub H-HON 40 CFR 60 Sub VV LAC 33:III.2121	5% VOHAP 10% VOC 10% VOC	40 CFR 63 Subpart H-HON

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III:Chapter												40 CFR 60						40 CFR 61						40 CFR 63							
		5▲	9	11	13	15	21	29	51*	56	59*	A	D, Da	D _b , D _c	K/K _a	K _b	V _v	III	NNN	RRR	A	J/V	Y	BB	FF	A	F	G	H	64	68		
GR012	Diamines Unit		1	1	1	1	1	1	1	1	1																						
EQT005	1150-24 Diamines Aqueous Waste Tank											3	3																				
EQT006	1500-2 Start up Flare								1	3	3																						
EQT007	1500-2A Air Oxidation Reactor Purge									3	3																						
EQT008	1500-3 Abator Stack								1	2	1																						
EQT009	1500-3B Weak Acid Tank									3	1																						
EQT010	1500-3A Acid Scrubber Vent									2	1																						
EQT011	1500-3A1 DC Reactor/Rearranger Reactor Purge									3	1																						
EQT012	1500-8 Crude/No. 3 Product Tank Scrubber									2	1																						
EQT013	1500-8A Crude Storage Tank									1	1																						
EQT013	1500-8A No. 3 Product Storage Tank									3	3																						
EQT014	1500-9 Aniline Storage Tank									3	1																						
EQT014	1500-9 Fuel Oil Storage Tank No. 2									3	3																						
EQT015	1500-11 Product Storage Tank Scrubber									2	3																						
EQT016	1500-11A Product Analysis Tank									3	3																						
EQT017	1500-11B OPDA Storage Tank									3	3																						
EQT018	1500-11C No. 1 PPDA Storage Tank									3	3																						
EQT019	1500-11D No. 2 PPDA Storage Tank									3	3																						

* The regulations indicated above are State Only regulations.
▲ All LAC 33:III:Chapter 5 citations are federally enforceable including LAC 33:III:501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

1 - The regulations have applicable requirements that apply to this particular emission source.
2 - The regulations have applicable requirements that apply to this particular emission source but may have monitoring, recordkeeping, and/or reporting requirements.
3 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed.

2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed.

3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
Blank - The regulations clearly do not apply to this type of emission source.

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ID No.:	Description	LAC 33:III Chapter												40 CFR 60				40 CFR 61				40 CFR 63							
		5▲	9	11	13	15	21	29	51*	56	59*	A	D, Da Db, Dc E	K/Ka	Kb	VV	III	NNN	RRR	A	J/V	Y	BB	FF	A	F	G	H	64
EQT020	1500-11E Product/Rework Tank							3	3																			1	1
EQT021	1500-11F Diamines Truck Loading Facility							3	3																			1	1
EQT022	1500-12 Waste Heat Generator	1	1	3		1																						3	
EQT023	1500-13 Nitric Acid Storage Tank No. 1					3	1																						
EQT024	1500-17/18 1527 Scrubber						2	1																					
EQT025	1500-17 Recycle Aniline Tank					3	1																					1	1
EQT026	1500-18 Waste Stripper Feed Tank					3	1																					1	1
EQT027	1500-20 Waste Water Extractor					2	1																					1	1
EQT028	1500-20A Water Extractor					3	1																						
EQT029	1500-20B Nitrate Extractor					3	1																						
EQT030	1500-22 Synthesis Building Sump							1																				1	1
EQT031	1500-66 FVH Flare No. 2 (Primary)		1		3	1		1		1																	1	1	
EQT032	1500-34 FVH Flare No. 1 (Alternate)				1	3	1	1	1																	1	1		
EQT033	1500-34A DCR Storage Tank					3	1										3	1									1	1	
EQT034	1500-34B Flush Water Tank					3	1										3	3									1	1	
EQT035	1500-34C Benzene Storage Tank					1	1										3	3									1	1	
EQT036	1500-34D West High Boiler Waste Tank					3	1										3	3									1	1	
EQT037	1500-34E East High Boiler Waste Tank					3	1										3	3									1	1	

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▲ All LAC 33:II Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

1 - The regulations have applicable requirements that apply to this particular emission source.

- The emission source may not have to be controlled but may have monitoring, recordkeeping, and/or reporting requirements.

2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

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		5▲	9	11	13	15	21	29	51*	56	59*	A	D, Da D _b , D _c E	K/K _a	K _b	VV	III	NNN	RRR	A	J/V	Y	BB	FF	A	F	G	H	64	68	
EQT038	1500-34F Aniline Hold Tank						3	1					3	3															3		
EQT039	1500-34H Crude Column						2	1					3	3															1	1	
EQT040	1500-34I High Boiler Column						3	1					3	3															1	1	
EQT041	1500-34J IPP Column						3	1					3	3															1	1	
EQT042	1500-34K Low Boiler Column						3	1					3	3															1	1	
EQT043	1500-34L Refining Column						3	1					3	3															1	1	
EQT044	1500-34M Topper Column						2	1					3	3															1	1	
EQT045	1500-34Q High Boiler Receiver						3	3					3	3															3		
EQT046	1500-34R Dowtherm Vacuum Pump						1	1					1	1															1	1	
EQT047	1500-34S Benzene Truck Loading Facility						3	1					3	3															1	1	
EQT048	1500-34T Synthesis Tank Farm Closed Sump						1						1																	1	1
EQT049	1500-345 Dowtherm Hold Tank						3	1					3	3															3		
EQT050	1500-346 Dowtherm Storage Tank						3	1					3	3															3		
EQT051	1500-348 Hydrogenate Storage Tank Scrubber						2	1					2	1															1	1	
EQT052	1500-38A Hydrogenate Storage Tank						3	1					3	1															1	1	
EQT053	1500-40 Nitric Acid Storage Tank No. 2						3	1					3	3															3		
EQT054	1500-44 Synthesis Building Vacuum Exhaust						1						1																	1	
EQT055	1500-45 Product Loading Scrubber						2	1					2	1															1		

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1 - The regulations have applicable requirements that apply to this particular emission source.

2 - The regulations have applicable requirements that apply to this particular emission source, but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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		5*	9	11	13	15	21	29	51*	56	59*	A	D, Da Db, Dc E	K/Ka Kb VV	III	NNN	RRR	A	J/V	Y	BB	FF	A	F	G	H	64	68	
EQT056	1500-45A Diamines Railcar Loading Facility							3	1																	1	1		
EQT057	1500-49 High Boiler Building Exhaust System							1																			1	1	
EQT058	1500-50 Tank Farm Maintenance Exhaust							1																			1	1	
EQT059	1500-51 Refining Building NW Closed Sump							1																			1	1	
EQT060	1500-52 Refining Building SE Closed Sump							1																			1	1	
EQT061	1500-54B Aqueous Waste Tank No. 2							3	1										3	3						1	1		
EQT061	1500-54B Specialty Storage Tank							3	1										3	3						3	3		
EQT061	1500-54B Fuel Oil Tank No. 1							3	3										3	3						3	3		
EQT062	1500-59 Refining Building Exhaust System							1																					
EQT063	1500-60 Ammonia Recovery Column Flare		1	3	1	1	1	3																					
EQT064	1500-60A No. 2 Strong Base Tank							1	1										3	3							3	3	
EQT065	1500-60B No. 1 Weak Base Tank							1	1										3	3							3	3	
EQT066	1500-60C Hydrogenation Feed Tank							3	1										3	3							3	3	
EQT067	1500-60D PPDA/NH3 Recovery Column							2	1										3							1	1		
EQT068	1500-60E Waste Water Stripper Column							2	1										3							1	1		
EQT069	1500-61 CLCW Hold Tank							3	1										3	3						3	3		
EQT070	1500-63 Dowtherm Closed Sump								1																	1	1		
EQT071	1500-64 Rinse Water Tank							3	1										3	3						1	1		

* The regulations indicated above are State Only regulations.
▲ All LAC 33:III.Chapter 5 citations are federally enforceable, including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may not have to be controlled but may have monitoring, recordkeeping, and/or reporting requirements.

2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
Blank - The regulations clearly do not apply to this type of emission source.

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- * The regulations indicated above are State Only regulations.

A All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

I - The regulations have applicable requirements that apply to this particular emission source.

 - The emission source may not have to be controlled but may have monitoring, recordkeeping, and/or reporting requirements.

2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exemption/Non-Applicability	Notes
GRP012 Diamines Unit	Compliance Assurance Monitoring 40 CFR 64	DOES NOT APPLY. The Diamines unit is subject to 40 CFR 63 and therefore exempt from CAM requirements per 40 CFR 64.2(b)(i).	
EQT005 1150-24 Diamines Aqueous Waste Tank	Storage of Volatile Organic Compounds LAC 33:III.2103 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Vapor pressure = 0.001 psia
EQT006 1500-2 Start up Flare	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b Emission Standards for Sulfur Dioxide LAC 33:III.1502	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
EQT007 1500-2A Air Oxidation Reactor Purge	Comprehensive TAP Emission Control Program, LAC 33:III.5109 NSPS Subpart A – General Provisions 40 CFR 60.1 – 60.19 NESHAP (HON) Subpart A - Control Device Provisions, 40 CFR 63.11(b) Waste Gas Disposal LAC 33:III.2115 Comprehensive TAP Emission Control Program, LAC 33:III.5109 NSPS Subpart III – SOCMI Air Oxidation Unit Processes, 40 CFR 60.610	DOES NOT APPLY. Single point source emits or has the potential to emit < 5 tpy of sulfur dioxide. (LAC 33:III.1502.A.3) DOES NOT APPLY. There are no toxic air pollutants (TAPs) from this source. DOES NOT APPLY. The start up flare is not used to control any source subject to NSPS. DOES NOT APPLY. The start up flare is not used to control any source subject to the HON. DOES NOT APPLY. This vent stream does not contain VOCs. DOES NOT APPLY. This vent stream does not contain any TAPs. DOES NOT APPLY. This reactor was not modified after 10/21/83 and none of the chemicals listed in 60.617 are produced.	Flare functions as a start up control device Flare functions as a start up control device Flare functions as a start up control device Reactor vents to 1500-2

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT007 1500-2A Air Oxidation Reactor Purge (Continued)	NSPS Subpart RRR – SOCMI Reactor Processes, 40 CFR 60.700 NESHAP (HON) Subpart G for Process Vents, 40 CFR 63.113	DOES NOT APPLY. This reactor was constructed prior to 6/29/90 and has not been modified.	
EQT008 1500-3 Abator Stack	Waste Gas Disposal LAC 33:III.2115	DOES NOT APPLY. This vent stream does not contain any HAPs.	
EQT009 1500-3B Weak Acid Tank	Storage of Volatile Organic Compounds LAC 33:III.2103 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	EXEMPT. The waste gas stream has a combined weight of VOC less than 100 pounds in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Recordkeeping is required. This vent services acid scrubber 1500-3A
EQT010 1500-3A Acid Scrubber	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b NESHAP (HON) Subpart G for Storage Vessels, 40 CFR 63.119	DOES NOT APPLY. This tank does not store Petroleum Liquids.	Tank capacity = 1,175 gals Tank in service since 1980
EQT010 1500-3A Acid Scrubber	Waste Gas Disposal LAC 33:III.2115	DOES NOT APPLY. This tank does not store a volatile organic liquid (VOL).	
Limiting VOC Emissions from Processes and Distillation LAC 33:III.2147	Reactor Operations the affected parishes as outlined in LAC 33:III.2147.A.1	DOES NOT APPLY. The facility is not located in one of the affected parishes as outlined in LAC 33:III.2147.A.1	The acid scrubber is the final recovery device for process vent 1500-3A1 (DC Reactor/ Rearranger Reactor Purge)
NSPS Subpart RRR – SOCMI Reactor Processes, 40 CFR 60.700		DOES NOT APPLY. Reactor venting thru this source was constructed prior to 6/29/90 and has not been modified.	

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT012 1500-8 Crude / No.3 Product Storage Tank Scrubber	Waste Gas Disposal LAC 33:III.2115	EXEMPT. The waste gas stream has a combined weight of VOC less than 100 pounds in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Recordkeeping is required. This vent services storage tank 1500-8A
EQT013 1500-8A used as Crude Storage Tank	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. This tank does not store Petroleum Liquids.	Tank capacity = 98,738 gals
EQT013 1500-8A used as No.3 Product Storage Tank	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
EQT013 1500-8A used as No.3 Product Storage Tank	Storage of Volatile Organic Compounds LAC 33:III.2103 Comprehensive TAP Emission Control Program, LAC 33:III.5109	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia. Supplemental List (Table 51.3)	Vapor pressure = 0.37 psia from Source emits PPDA
EQT013 1500-8A used as No.3 Product Storage Tank	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
EQT013 1500-8A used as No.3 Product Storage Tank	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
EQT013 1500-8A used as No.3 Product Storage Tank	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank capacity >151 m ³ (40,000 gals) with true vapor pressure of liquid stored < 3.5 kPa (0.51 psia).	Tank capacity = 98,738 gals Tank in service since 1980

Note - The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X of this permit.

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ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT014 1500-9 used as Aniline Storage Tank	Storage of Volatile Organic Compounds LAC 33:III.2103 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Vapor pressure = 0.01 psia
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank capacity $> 151 \text{ m}^3$ (40,000 gals) with true vapor pressure of liquid stored $< 3.5 \text{ kPa}$ (0.51 psia).	Tank capacity = 362,710 gals Tank in service since 1988
EQT014 1500-9 used as Fuel Oil Storage Tank #2	Storage of Volatile Organic Compounds LAC 33:III.2103 Comprehensive TAP Emission Control Program, LAC 33:III.5109	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Vapor pressure = 0.01 psia
	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. Only non-toxic VOC is emitted if tank is used for storage of fuel oil.	
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. Vapor pressure less than 1.0 psia.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Vapor pressure less than 1.0 psia.	
	NESHAP (HON) Subpart G for Storage Vessels, 40 CFR 63.119	DOES NOT APPLY. This tank does not store a liquid OHAP when used as Fuel Oil Storage Tank.	

Note - The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X of this permit.

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT015, EQT072 1500-11 Product Storage Tank Scrubber (in tandem with 1500-65)	Waste Gas Disposal LAC 33:II.2115	EXEMPT. The waste gas stream has a combined weight of VOC less than 100 pounds in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Recordkeeping is required. This vent services five storage tanks (1500-11A thru 1500-11E) and one loading facility (1500-11F)
1500-65 Truck Loading Scrubber (in tandem with 1500-11)	Comprehensive TAP Emission Control Program, LAC 33:III.5109	DOES NOT APPLY. This scrubber is used to control emissions from a source emitting a TAP from the Supplemental List (Table 51.3)	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. The tanks discharging through this vent are not affected storage vessels.	
EQT016 thru EQT020 1500-11A Product Analysis Tank 1500-11B OPDA Storage Tank 1500-11C No. 1 PPDA Storage Tank 1500-11D No.2 PPDA Storage Tank 1500-11E Product/Rework Tank	Storage of Volatile Organic Compounds LAC 33:III.2103	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	All vapor pressures = 0.46 psia, but 1500-11B = 0.96 psia
	Comprehensive TAP Emission Control Program, LAC 33:III.5109	DOES NOT APPLY. Source emits TAP from Supplemental List (Table 51.3)	Each source emits PPDA, except 1500-11B emits OPDA
	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tanks 1500-11A & 1500-11B < 75 m ³ (20,000 gals). Tanks 1500-11C & 1500-11D > 151 m ³ (40,000 gals) with true vapor pressure of liquid stored < 3.5 kPa (0.51psia). Tank 1500-11E > 75 m ³ (20,000 gals) and < 151 m ³ (40,000 gals) with true vapor pressure of liquid stored < 15 kPa (2.2 psia).	Tank capacities range from 12,043 to 62,155 gals Tanks in service since 1980

Note - The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X of this permit.

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exemption/Non-Applicability				Notes
EOT021 1500-11F Diamines Truck Loading Facility	Control of Emission of Organic Compounds – Loading Volatile Organic Compounds – Loading LAC 33:III.2.107 Comprehensive TAP Emission Control Program, LAC 33:III.5109	DOES NOT APPLY. The facility loads volatile organic compounds with a vapor pressure less than 1.5 psia.	Liquid product loaded < 0.65 MM liters per year			
EOT022 1500-12 Waste Heat Generator	Emission Standards for Sulfur LAC 33:III.1502	DOES NOT APPLY. Single point source emits or has the potential to emit < 5 tpy of sulfur dioxide. (LAC 33:III.1502.A.3)	Generator emits < 5 tpy	Supplemental List (Table 51.3)	TAP from Source emits PPDA	
	NSPS Subpart D – Fossil-Fuel-Fired Steam Generators, 40 CFR 60.40	DOES NOT APPLY. The heat input rate is < 250 MM BTU/hr [40 CFR 60.40(a)(1)]				
	NSPS Subpart Da – Electric Utility Steam Generating Units, 40 CFR 60.40a	DOES NOT APPLY. The heat input rate is < 250 MM BTU/hr and is not an electric utility [40 CFR 60.40(a)(1)]				
	NSPS Subpart Db – Industrial-Commercial-Institutional Steam Generating Units 40 CFR 60.40b	DOES NOT APPLY. The heat input rate is < 100 MM BTU/hr [40 CFR 60.40(b)(a)]				
	NSPS Subpart Dc – Small Commercial-Institutional Steam Generating Units, 40 CFR 60.40c	DOES NOT APPLY. The waste heat generator was constructed prior to the applicability date of June 9, 1989 [40 CFR 60.40c(a)]				
	NSPS Subpart E – Incinerators 40 CFR 60.50	DOES NOT APPLY. The waste heat generator is not an incinerator.				
	Storage of Volatile Organic Compounds LAC 33:III.2.103	DOES NOT APPLY. Tank does not store any volatile organic compound.				
EOT023 1500-13 Nitric Acid Storage Tank No.1	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. This tank does not store Petroleum Liquids.				
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.				

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ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT023 1500-13 Nitric Acid Storage Tank No. 1 (Continued)	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b NESHAP (HON) Subpart G for Storage Vessels, 40 CFR 63.119	DOES NOT APPLY. This tank does not store a volatile organic liquid (VOL).	
EQT024 1500-17/18 1527 Scrubber	Waste Gas Disposal LAC 33:III.21.15	DOES NOT APPLY. This tank does not store an organic hazardous air pollutant (OHPA). EXEMPT. The waste gas stream has a combined weight of VOC less than 100 pounds in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Recordkeeping is required. This vent services storage tanks 1500-17 and 1500-18
EQT025 1500-17 Recycle Aniline Tank	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b Storage of Volatile Organic Compounds LAC 33:III.2103	DOES NOT APPLY. The tanks discharging through this vent are not affected storage vessels. DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Vapor pressure = 0.03 psia
EQT026 1500-18 Waste Stripper Feed Tank	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110 NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a Storage of Volatile Organic Compounds LAC 33:III.2103	DOES NOT APPLY. This tank does not store Petroleum Liquids. DOES NOT APPLY. This tank does not store Petroleum Liquids. DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Tank capacity = 98,738 gals with true vapor pressure of liquid stored < 3.5 kPa (0.51 psia). Vapor pressure = 0.76 psia
	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110 NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids. DOES NOT APPLY. This tank does not store Petroleum Liquids.	Tank capacity = 40,000 Tank in service since 1991

Note - The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X of this permit.

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ID No:	Requirement	Exemption/Non-Applicability	Notes
<u>EQT026</u> 1500-18 Waste Stripper Feed Tank (Continued)	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank $> 75 \text{ m}^3$ (20,000 gals) and $< 151 \text{ m}^3$ (40,000 gals) with vapor pressure $< 15 \text{ kPa}$ (2.2 psia).	Tank capacity = 34,805 gals Tank in service since 1980
<u>EQT027</u> 1500-20 Waste Water Extractor	Waste Gas Disposal LAC 33:III.2115	EXEMPT. The waste gas stream has a combined weight of VOC less than 100 pounds in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Recordkeeping is required. This vent services two wastewater extractors (1500-20A & 1500-20B)
<u>EQT28, EQT 29</u> 1500-20A Water Extractor 1500-20B Nitrate Extractor	Storage of Volatile Organic Compounds LAC 33:III.2103	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Vapor pressure: 1500-20A = 1.04 psia 1500-20B = 0.29 psia
	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank capacity $< 75 \text{ m}^3$ (20,000 gallons).	Tank capacity = 6,462 gals Tanks in service since 1980
<u>EQT031, EQT032</u> 1500-66 Flammable Vent Header Flare No.2 (Primary)	Emission Standards for Sulfur Dioxide LAC 33:III.1502	DOES NOT APPLY. Single point source emits or has the potential to emit $< 5 \text{ tpy}$ of sulfur dioxide. (LAC 33:III.1502.A.3)	Flare emits $< 5 \text{ tpy}$
1500-34 Flammable Vent Header Flare No.1 (Alternate)			

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ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT033 1500-34A DCR Storage Tank	Storage of Volatile Organic Compounds LAC 33.III.2103 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Vapor pressure = 0.52 psia
EQT034 1500-34B Flush Water Tank	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a Storage of Volatile Organic Compounds LAC 33.III.2103 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
EQT035 1500-34C Benzene Storage Tank	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110 NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. This tank does not store Petroleum Liquids. DOES NOT APPLY. Tank > 75 m ³ (20,000 gals) and < 151 m ³ (40,000 gals) with true vapor pressure of liquid stored < 15 kPa (2.2 psia). DOES NOT APPLY. This tank does not store Petroleum Liquids. DOES NOT APPLY. This tank does not store Petroleum Liquids. DOES NOT APPLY. This tank does not store Petroleum Liquids.	Tank capacity = 33,956 gals Tank in service since 1980 Vapor pressure = 0.01 psia Tank capacity = 98,738 gals Tank in service since 1980 Tank capacity = 12,043 gals Vapor pressure = 1.54 psia Tank in service since 1980 Tank capacity = 20,000 gallons

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ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT036, EQT037 1500-34D West HB Waste Tank 1500-34E East HB Waste Tank	Storage of Volatile Organic Compounds LAC 33:III.2103	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Vapor Pressure: 1500-34D = 1.05 psia 1500-34E = 0.93 psia
	NISPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NISPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NISPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank capacity < 75 m ³ (20,000 gallons).	Tank capacity = 17,342 gals Tanks in service since 1981 and 1980
EQT038 1500-34F Aniline Hold Tank	Storage of Volatile Organic Compounds LAC 33:III.2103	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Vapor pressure = 0.01 psia
	NISPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NISPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NISPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank capacity < 75 m ³ (20,000 gallons).	Tank capacity = 2,115 gals Tank in service since 1980
	NESHAP (HON) Subpart G for Storage Vessels, 40 CFR 63.119	DOES NOT APPLY. Tank capacity is < 38 m ³ (10,070 gallons). (40 CFR 63.101)	

Note - The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X of this permit.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**DIAMINES UNIT, PONTCHARTRAIN SITE
AGENCY INTEREST NO. 1101
E.I. DUPONT DE NEMOURS & CO., INC.
LAPLACE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT039 1500-34H Crude Column	Waste Gas Disposal LAC 33:III.2115	EXEMPT. The waste gas stream has a combined weight of VOC less than 100 pounds in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Recordkeeping is required
	Limiting VOC Emissions from Reactor Processes and Distillation Operations LAC 33:III.2147	DOES NOT APPLY. The facility is not located in one of the affected parishes as outlined in LAC 33:III.2147.A.1	
	NSPS Subpart NNN - Distillation Operations 40 CFR 60.660	DOES NOT APPLY. This distillation unit has not been modified or reconstructed since 12/30/83.	Unit was constructed prior to 1983
EQT040 thru EQT043 1500-34I High Boiler Column 1500-34J IPP Column 1500-34K Low Boiler Column 1500-34L Refining Column	Waste Gas Disposal LAC 33:III.2115	DOES NOT APPLY. The waste gas stream is required by the HON to implement controls that reduce VOCs to a more stringent standard than required by Section 2115.	
	Limiting VOC Emissions from Reactor Processes and Distillation Operations LAC 33:III.2147	DOES NOT APPLY. The facility is not located in one of the affected parishes as outlined in LAC 33:III.2147.A.1	
	NSPS Subpart NNN - Distillation Operations 40 CFR 60.660	DOES NOT APPLY. Distillation units 1500-34I, 1500-34K and 1500-34L have not been modified or reconstructed since 12/30/83.	Units were constructed prior to 1983 except 1500-34J
		EXEMPT. Column 1500-34J was built in 1986; however, the IPP Column is a Group 1 process vent and is required to comply only with the HON. [40 CFR 63.110(d)(4)]	
EQT044 1500-34M Topper Column	Waste Gas Disposal LAC 33:III.2115	EXEMPT. The waste gas stream has a combined weight of VOC less than 100 pounds in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Recordkeeping is required
	Limiting VOC Emissions from Reactor Processes and Distillation Operations LAC 33:III.2147	DOES NOT APPLY. The facility is not located in one of the affected parishes as outlined in LAC 33:III.2147.A.1	
	NSPS Subpart NNN - Distillation Operations 40 CFR 60.660	DOES NOT APPLY. This distillation unit has not been modified or reconstructed since 12/30/83.	Unit was constructed prior to 1983

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exemption/Non-Applicability		Notes
<u>EQT045</u> 1500-34Q High Boiler Receiver	Storage of Volatile Organic Compounds LAC 33:III.2103 Comprehensive TAP Emission Control Program, LAC 33:III.5109	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.		Vapor pressure = 0.02 psia
	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. This tank does not store Petroleum Liquids.		DOES NOT APPLY. This tank does not contain any TAPs.
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.		
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank capacity < 75 m ³ (20,000 gallons).		Tank capacity = 564 gals Tank in service since 1980
	NESHAP (HON) Subpart G for Storage Vessels, 40 CFR 63.119	DOES NOT APPLY. This tank does not store an organic hazardous air pollutant (OHAP).		
<u>EQT047</u> 1500-34S Benzene Truck Loading Facility	Control of Emission of Organic Compounds – Loading Volatile Organic Compounds – Loading LAC 33:III.2107 NESHAP Subpart BB – Benzene Transfer Operations, 40 CFR 61.300(d)	DOES NOT APPLY. The facility loads less than 20,000 gallons per day.		Recordkeeping is required.
	NESHAP (HON) Subparts F and G for Transfer Operations, 40 CFR 63.100 and 126	EXEMPT. The facility loads less than 1.3 MM liters per year. Submit an initial report, and then only recordkeeping is required per 40 CFR 61.305(i).		
		DOES NOT APPLY. Emissions from the trucks are vented back to the storage tank (1500-34C), which is routed to the flare. Vapor balance operations are not included in the HON transfer rack definition. (40 CFR 63.101)		

Note - The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X of this permit.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**DIAMINES UNIT, PONTCHARTRAIN SITE
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E.I. DUPONT DE NEMOURS & CO., INC.
LAPLACE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT049, EQT050 1500-35 Dowtherm Hold Tank 1500-36 Dowtherm Storage Tank	Storage of Volatile Organic Compounds LAC 33:III.2103 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Vapor pressure = 0.01 psia
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank capacity is < 75 m ³ (20,000 gallons).	Tank capacity = 881 gals Tank in service since 1980
	NESHAP (HON) Subpart G for Storage Vessels, 40 CFR 63.119	DOES NOT APPLY. Tank capacity is < 38 m ³ (10,070 gallons). (40 CFR 63.101)	
EQT051 1500-38 Hydrogenate Storage Tank Scrubber	Waste Gas Disposal LAC 33:III.2115	EXEMPT. The waste gas stream has a combined weight of VOC less than 100 pounds in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Recordkeeping is required. This vent services storage tank 1500-38A
EQT052 1500-38A Hydrogenate Storage Tank	Storage of Volatile Organic Compounds LAC 33:III.2103 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Tank capacity = 98,758 gals Vapor pressure = 0.97 psia
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
EQT053 1500-40 Nitric Acid Storage Tank No.2	Storage of Volatile Organic Compounds LAC 33:III.2103 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. Tank does not store any volatile organic compound.	
	DOES NOT APPLY. This tank does not store Petroleum Liquids.		

Note -The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X of this permit.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**DIAMINES UNIT, PONTCHEARTRAIN SITE
AGENCY INTEREST NO. 1101
E.I. DUPONT DE NEMOURS & CO., INC.
LAPLACE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT053 1500-40 Nitric Acid Storage Tank No.2 (Continued)	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. This tank does not store a volatile organic liquid (VOL).	
NESHAP (HON) Subpart G for Storage Vessels, 40 CFR 63.119	DOES NOT APPLY. This tank does not store an organic hazardous air pollutant (OHAP).		
EQT055 1500-45 Product Loading Scrubber	Waste Gas Disposal 1.AC 33:III.2115	EXEMPT. The waste gas stream has a combined weight of VOC less than 100 pounds in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Recordkeeping is required. This vent services loading facility 1500-45A
EQT056 1500-45A Diamines Railcar Loading Facility	Control of Emission of Organic Compounds Volatile Organic Compounds – Loading LAC 33:III.2107	DOES NOT APPLY. The facility loads volatile organic compounds with a vapor pressure less than 1.5 psia.	Liquid product loaded < 0.65 MM liters per year
EQT061 1500-54B used as Aqueous Waste Tank	Storage of Volatile Organic Compounds LAC 33:III.2103	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Vapor pressure = 0.001 psia
	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank capacity >151 m ³ (40,000 gals) with true vapor pressure of liquid stored < 3.5 kPa (0.51 psia).	Tank capacity = 362,710 gals Tank in service since 1988

Note - The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X of this permit.

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**DIAMINES UNIT, PONTCHARTRAIN SITE
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LAPLACE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT061 1500-54B used as Specialty Storage Tank	Storage of Volatile Organic Compounds LAC 33:III.2103 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Vapor pressure = 0.001 psia
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank capacity $>151 \text{ m}^3$ (40,000 gals) with true vapor pressure of liquid stored $< 3.5 \text{ kPa}$ (0.51 psia).	Tank capacity = 362,710 gals Tank in service since 1988
	NESHAP (HON) Subpart G for storage vessels, 40 CFR 63.119	DOES NOT APPLY. Not part of a chemical manufacturing process unit regulated under the HON. [40 CFR 63.100(g)(1)]	When tank is used by the Specialty Chemical Unit
EQT061 1500-54B used as Fuel Oil Storage Tank	Storage of Volatile Organic Compounds LAC 33:III.2103 Comprehensive TAP Emission Control Program, LAC 33:III.5109	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Vapor pressure = 0.01 psia
	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. Only non-toxic VOC is emitted when tank is used for storage of Fuel Oil.	
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. Vapor pressure less than 1.0 psia.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank capacity $>151 \text{ m}^3$ (40,000 gals) with true vapor pressure of liquid stored $< 3.5 \text{ kPa}$ (0.51 psia).	Tank capacity = 362,710 gals Tank in service since 1988
	NESHAP (HON) Subpart G for storage vessels, 40 CFR 63.119	DOES NOT APPLY. This tank does not emit OHAPs when storing Fuel Oil.	

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exemption/Non-Applicability	Notes
FUG001 1500-58 Diamines Fugitive Emissions	NESHAP Subpart J for Equipment Leaks of Benzene, 40 CFR 61.110	EXEMPT. The Diamines Unit produces less than 2.2 MM lbs of benzene per year (1,000 Mgr/yr) as a co-product. [40 CFR 61.110(c)(2)]	Recordkeeping is required.
EQT063 1500-60 Ammonia Recovery Column Flare	Emission Standards for Sulfur Dioxide LAC 33:III.1502 NSPS Subpart A – General Provisions 40 CFR 60.18	DOES NOT APPLY. Single point source emits or has the potential to emit < 5 tpy of sulfur dioxide. (LAC 33:III.1502.A.3)	Flare emits < 5 tpy
EQT064, EQT065 1500-60A No.2 Strong Base Tank 1500-60B No.1 Weak Base Tank	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110 NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	DOES NOT APPLY. This flare is not used to control a source subject to NSPS.
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank capacity is < 75 m ³ (20,000 gallons).	
	NESHAP (HON) Subpart G for Storage Vessels, 40 CFR 63.119	DOES NOT APPLY. Tank capacity is < 38 m ³ (10,070 gallons). (40 CFR 63.101)	Tank capacity = 2,115 gallons Vapor pressure = 2.06 psia
EQT066 1500-60C Hydrogenation Feed Tank	Storage of Volatile Organic Compounds LAC 33:III.2103 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia	Vapor pressure = 0.65 psia
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	DOES NOT APPLY. This tank does not store Petroleum Liquids.

Note -The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X of this permit.

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**DIAMINES UNIT, PONTCHARTRAIN SITE
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LAPLACE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exemption/Non-Applicability	Notes
<u>EQT 066</u> 1500-60C Hydrogenation Feed Tank (Continued)	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank capacity is < 75 m ³ (20,000 gallons).	Tank capacity = 3,008 gals
	NESHAP (HON) Subpart G for storage vessels, 40 CFR 63.119	DOES NOT APPLY. Tank capacity is < 38 m ³ (10,070 gallons). (40 CFR 63.101)	
<u>EQT 67, EQT068</u> 1500-60D PPDA/NH3 Recovery Column	Waste Gas Disposal LAC 33:III.2115	EXEMPT. The waste gas stream has a combined weight of VOC less than 100 pounds in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Recordkeeping is required.
1500-60E Waste Water Stripper Column	Limiting VOC Emissions from Reactor Processes and Distillation Operations LAC 33:III.2147	DOES NOT APPLY. The facility is not located in one of the affected parishes as outlined in LAC 33:III.2147.A.1	
	NSPS Subpart NNN - Distillation Operations 40 CFR 60.660	DOES NOT APPLY. Distillation units have not been modified or reconstructed since 12/30/83.	Unit was constructed prior to 1983
<u>EQT069</u> 1500-61 CLCW Hold Tank	Storage of Volatile Organic Compounds LAC 33:III.2103	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Vapor pressure < 0.001 psia
	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank capacity is < 75 m ³ (20,000 gallons).	Tank capacity = 1,175 gals
	NESHAP (HON) Subpart G for storage vessels, 40 CFR 63.119	DOES NOT APPLY. Tank capacity is < 38 m ³ (10,070 gallons). (40 CFR 63.101)	

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exemption/Non-Applicability	Notes
<u>EQT071</u> 1500-64 Rinse Water Tank	Storage of Volatile Organic Compounds LAC 33:III.2103	DOES NOT APPLY. True vapor pressure of the liquid stored is less than 1.5 psia.	Vapor pressure < 0.001 psia
	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. This tank does not store Petroleum Liquids.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank > 75 m ³ (20,000 gals) and 151 m ³ (40,000 gals) with true vapor pressure of liquid stored < 15 kPa (2.2 psia).	Tank capacity = 26,437 gals Tank in service since 1980
<u>EOT115</u> 1500-67 Ammonia Unloading Compressor Cleanup Drum	Waste Gas Disposal LAC 33:III.2115	EXEMPT. The waste gas stream has a combined weight of VOC less than 100 pounds in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Recordkeeping is required

Note - The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

40 CFR PART 70 GENERAL CONDITIONS

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c)(4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

40 CFR PART 70 GENERAL CONDITIONS

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

40 CFR PART 70 GENERAL CONDITIONS

- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated November 1, 2007, along with supplemental information dated March 24, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 1101 E I DuPont de Nemours Co Inc - Pontchartrain Works

Activity Number: PER20070004

Permit Number: 2090-Y2

Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	2580-00001	E I DuPont de Nemours Co Inc - Pontchartrain Works	CDS Number	08-29-1972
	LAD001890367	E I DuPont de Nemours & Co Inc - Pontchartrain Works	Hazardous Waste Notification	08-18-1980
PMT	GPRAS Baselines		Hazardous Waste Permitting	10-01-1997
	LAR05M450	LPDES Permit #	LPDES Permit #	08-08-2004
	LAR05M465	LPDES #	LPDES Permit #	05-22-2003
	LAR10C326	LPDES Permit #	LPDES Permit #	08-08-2004
	GPB-095-083	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
	GD-005-1629	SW ID#	Solid Waste	01-08-2002
	GPB-095-0832	SW ID#	Solid Waste Facility No.	04-30-2001
	11953	E I DuPont	Solid Waste Facility No.	05-01-2001
	17113	E I DuPont de Nemours & Co Inc	TEMPO Merge	03-01-2001
	38508	Dupont Pontchartrain Works	TEMPO Merge	03-01-2001
	39130	Dupont Pontchartrain Works	TEMPO Merge	03-01-2001
	41351	E I DuPont de Nemours	TEMPO Merge	03-01-2001
	41352	E I DuPont de Nemours	TEMPO Merge	03-01-2001
	49459	E I DuPont de Nemours	TEMPO Merge	03-01-2001
	69884	Dupont-Pontchartrain Works	TEMPO Merge	03-01-2001
	9757	E I DuPont de Nemours & Co	TEMPO Merge	03-06-2001
	70069DPNTPHIGHW	TRI #	Toxic Release Inventory	07-09-2004
	1249	UST Case History Case Number	UST Case Number	11-21-1999
	48003146	UST Facility ID (from UST legacy data)	UST FID #	10-12-2002
Physical Location:			Main Phone:	98553361141
Mailing Address:	586 Hwy 44 Laplace, LA 70068			
Location of Front Gate:	30° 3' 12" 58 hundredths latitude, 90° 31' 30" 57 hundredths longitude, Coordinate Method: GPS Code (Psuedo Range) Differential, Coordinate Datum: NAD83			
Related People:				
		Name	Mailing Address	Phone (Type)
		Harry Glidden	586 Hwy 44 Laplace, LA 70068	9855335498 (WF)
		Harry Glidden	586 Hwy 44 Laplace, LA 70068	9855334346 (WP)
		Douglas Melancon	588 Hwy 44 Laplace, LA 70068	9855335202 (WP)
		Pat Murphy		9855335217 (WP)

General Information

AI ID: 1101 E I DuPont de Nemours Co Inc - Pontchartrain Works
 Activity Number: PER20070004
 Permit Number: 2090-V2
 Air - Title V Regular Permit Renewal

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Guy Tenini	586 Hwy 44 Laplace, LA 70068	9855356129 (WP)	Responsible Official for
	Guy Tenini	586 Hwy 44 Laplace, LA 70068	guy.d.tenini@usa.du	Responsible Official for
	Kirland Wilkes	586 Hwy 44 Laplace, LA 700686912	KIRLAND.R.WILKE	Responsible Official for
	Kirland Wilkes	586 Hwy 44 Laplace, LA 700686912	9857892381 (CP)	Responsible Official for
	Kirland Wilkes	586 Hwy 44 Laplace, LA 700686912	9857892381 (CP)	Air Permit Contact For
	Kirland Wilkes	586 Hwy 44 Laplace, LA 700686912	9855356575 (WF)	Air Permit Contact For
	Kirland Wilkes	586 Hwy 44 Laplace, LA 700686912	9857892381 (CP)	Emission Inventory Contact for
	Kirland Wilkes	586 Hwy 44 Laplace, LA 700686912	9855356575 (WF)	Emission Inventory Contact for
	Kirland Wilkes	586 Hwy 44 Laplace, LA 700686912	98553565409 (WP)	Emission Inventory Contact for
	Kirland Wilkes	586 Hwy 44 Laplace, LA 700686912	KIRLAND.R.WILKE	Emission Inventory Contact for
	Kirland Wilkes	586 Hwy 44 Laplace, LA 700686912	98553565409 (WP)	Air Permit Contact For
	Kirland Wilkes	586 Hwy 44 Laplace, LA 700686912	KIRLAND.R.WILKE	Air Permit Contact For
	Kirland Wilkes	586 Hwy 44 Laplace, LA 700686912	98553565409 (WP)	Responsible Official for
	Kirland Wilkes	586 Hwy 44 Laplace, LA 700686912	9855356575 (WF)	Responsible Official for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	E I Dupont de Nemours & Co Inc	586 Hwy 44 Laplace, LA 70068	Owns	
	E I Dupont de Nemours & Co Inc	586 Hwy 44 Laplace, LA 70068	Operates	
	E I Dupont de Nemours & Co Inc	586 Hwy 44 Laplace, LA 70068	Air Billing Party for	
	E I Dupont de Nemours & Co Inc	586 Hwy 44 Laplace, LA 70068	Accident Prevention Billing Party for	
	E I Dupont de Nemours & Co Inc	586 Hwy 44 Laplace, LA 70068	Emission Inventory Billing Party	

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.
 Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1101 - E I DuPont de Nemours Co Inc - Pontchartrain Works
 Activity Number: PER20070004
 Permit Number: 2090-V2
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Diamines Unit						
EQT0005	1150-24 - Diamines Aqueous Waste Tank	298345 gallons	5180 SCFM			8760 hr/yr (All Year)
EQT0006	1500-2 - Start up Flare		3600 SCFM			164 hr/yr (All Year)
EQT0007	1500-2A - Air Oxidation Reactor Purge		4440 SCFM			164 hr/yr (All Year)
EQT0008	1500-3 - Abator Slack	1175 gallons				8760 hr/yr (All Year)
EQT0009	1500-3B - Weak Acid Tank		4400 SCFM			8760 hr/yr (All Year)
EQT0010	1500-3A - Acid Scrubber Vent		4400 SCFM			8760 hr/yr (All Year)
EQT0011	1500-3A1 - DC Reactor / Rearranger Reactor Purge		.5 SCFM			8760 hr/yr (All Year)
EQT0012	1500-8 - Crude / No. 3 Product Storage Tank Scrubber	98738 gallons				8760 hr/yr (All Year)
EQT0013	1500-9 - Aniline / Fuel Oil Storage Tank No. 2	362710 gallons				8760 hr/yr (All Year)
EQT0014	1500-11 - Product Storage Tank Scrubber		11 SCFM		operates in tandem with 1500-65	8760 hr/yr (All Year)
EQT0015	1500-11A - Product Storage Tank Scrubber	12043 gallons				8760 hr/yr (All Year)
EQT0016	1500-11A - Product Analysis Tank	12043 gallons				8760 hr/yr (All Year)
EQT0017	1500-11B - OPDA Storage Tank		62155 gallons			8760 hr/yr (All Year)
EQT0018	1500-11C - No. 1 PPDA Storage Tank		62155 gallons			8760 hr/yr (All Year)
EQT0019	1500-11D - No. 2 PPDA Storage Tank		62155 gallons			8760 hr/yr (All Year)
EQT0020	1500-11E - Product/Rework Tank	26437 gallons				8760 hr/yr (All Year)
EQT0021	1500-11F - Diamines Truck Loading Facility		11 SCFM			156 hr/yr (All Year)
EQT0022	1500-12 - Waste Heat Generator		24 MM BTU/hr			8760 hr/yr (All Year)
EQT0023	1500-13 - Nitric Acid Storage Tank No. 1	17342 gallons				8760 hr/yr (All Year)
EQT0024	1500-17/18 - 1527 Scrubber		24 SCFM			8760 hr/yr (All Year)
EQT0025	1500-17 - Recycle Aniline Tank	98738 gallons				8760 hr/yr (All Year)
EQT0026	1500-18 - Waste Stripper Feed Tank	34805 gallons				8760 hr/yr (All Year)
EQT0027	1500-20 - Waste Water Extractor		2.3 SCFM			8760 hr/yr (All Year)
EQT0028	1500-20A - Water Extractor	6462 gallons				8760 hr/yr (All Year)
EQT0029	1500-20B - Nitrate Extractor	6462 gallons				8760 hr/yr (All Year)
EQT0030	1500-22 - Synthesis Building Sump	1216 gallons				8760 hr/yr (All Year)
EQT0031	1500-66 - Flammable Vent Header Flare No. 2 (Primary)		40 SCFM			8760 hr/yr (All Year)
EQT0032	1500-34 - Flammable Vent Header Flare No. 1 (Alternate)		40 SCFM			8760 hr/yr (All Year)
EQT0033	1500-34A - DCR Storage Tank	98738 gallons				8760 hr/yr (All Year)
EQT0034	1500-34B - Flush Water Tank	33956 gallons				8760 hr/yr (All Year)
EQT0035	1500-34C - Benzene Storage Tank	12043 gallons				8760 hr/yr (All Year)
EQT0036	1500-34D - West High Boiler Waste Tank	17342 gallons				8760 hr/yr (All Year)
EQT0037	1500-34E - East High Boiler Waste Tank	17342 gallons				8760 hr/yr (All Year)
EQT0038	1500-34F - Aniline Hold Tank	2115 gallons				8760 hr/yr (All Year)
EQT0039	1500-34H - Crude Column		6 SCFM			8760 hr/yr (All Year)
EQT0040	1500-34I - High Boiler Column		3 SCFM			8760 hr/yr (All Year)
EQT0041	1500-34J - IPP Column		7 SCFM			8760 hr/yr (All Year)
EQT0042	1500-34K - Low Boiler Column		1 SCFM			8760 hr/yr (All Year)
EQT0043	1500-34L - Refining Column		1 SCFM			8760 hr/yr (All Year)
EQT0044	1500-34M - Topper Column		3 SCFM			8760 hr/yr (All Year)

INVENTORIES
AI ID: 1101 - E I DuPont de Nemours Co Inc - Pontchartrain Works
Activity Number: PER20070004
Permit Number: 2090-V2
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Diamines Unit						
EQT0045	1500-34Q - High Boiler Receiver	564 gallons				8760 hr/yr (All Year)
EQT0046	1500-34R - Dowtherm Vacuum Pump					4 hr/yr (All Year)
EQT0047	1500-34S - Benzene Truck Loading Facility		13 SCFM			6 hr/yr (All Year)
EQT0048	1500-34T - Synthesis Tank Farm Closed Sump	175 gallons				8760 hr/yr (All Year)
EQT0049	1500-35 - Dowtherm Hold Tank	881 gallons				8760 hr/yr (All Year)
EQT0050	1500-36 - Dowtherm Storage Tank	881 gallons				8760 hr/yr (All Year)
EQT0051	1500-38 - Hydrogenate Storage Tank Scrubber		40 SCFM			8760 hr/yr (All Year)
EQT0052	1500-38A - Hydrogenate Storage Tank	98738 gallons				8760 hr/yr (All Year)
EQT0053	1500-40 - Nitric Acid Storage Tank No.2	17342 gallons		2800 SCFM		8760 hr/yr (All Year)
EQT0054	1500-44 - Synthesis Building Vacuum Exhaust System			36 SCFM		8760 hr/yr (All Year)
EQT0055	1500-45 - Product Loading Scrubber			36 SCFM		8760 hr/yr (All Year)
EQT0056	1500-45A - Diamines Railcar Loading Facility			1600 SCFM		624 hr/yr (All Year)
EQT0057	1500-49 - High Boiler Building Maintenance Exhaust System			1150 SCFM		8760 hr/yr (All Year)
EQT0058	1500-50 - Tank Farm Maintenance Exhaust System					8760 hr/yr (All Year)
EQT0059	1500-51 - Refining Building NW Closed Sump	1915 gallons				8760 hr/yr (All Year)
EQT0060	1500-52 - Refining Building SE Closed Sump	997 gallons				8760 hr/yr (All Year)
EQT0061	1500-54B - Aqueous Waste Tank #2/Specialty/Fuel Oil Tank #1	362710 gallons		2800 SCFM		8760 hr/yr (All Year)
EQT0062	1500-59 - Refining Building Exhaust System			60 SCFM		8760 hr/yr (All Year)
EQT0063	1500-60 - Ammonia Recovery Column Flare					8760 hr/yr (All Year)
EQT0064	1500-60A - No. 2 Strong Base Tank	2115 gallons				8760 hr/yr (All Year)
EQT0065	1500-60B - No. 1 Weak Base Tank	2115 gallons				8760 hr/yr (All Year)
EQT0066	1500-60C - Hydrogenation Feed Tank	3008 gallons		55 SCFM		8760 hr/yr (All Year)
EQT0067	1500-60D - PPDA/NH3 Recovery Column			3 SCFM		8760 hr/yr (All Year)
EQT0068	1500-60E - Waste Water Stripper Column					8760 hr/yr (All Year)
EQT0069	1500-61 - CLCW Hold Tank	1175 gallons				8760 hr/yr (All Year)
EQT0070	1500-63 - Dowtherm Closed Sump					8760 hr/yr (All Year)
EQT0071	1500-64 - Rinse Water Tank	26437 gallons		11 SCFM		8760 hr/yr (All Year)
EQT0072	1500-65 - Truck Loading Scrubber			1 SCFM		operates in tandem with 1500-11 260 hr/yr (All Year)
EQT0115	1500-67 - Ammonia Unloading Compressor Clearup Drum					
FUG0001	1500-58 - Diamines Fugitive Emissions					8760 hr/yr (All Year)
Stack Information:						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)
Diamines Unit						
EQT0005	1150-24 - Diamines Aqueous Waste Tank	2	2.5	.5		26 77
EQT0006	1500-2 - Start up Flare	60	5180	1.33		95 275
EQT0008	1500-3 - Abator Stack	69	4440	1.17		84.5 330
EQT0009	1500-3B - Weak Acid Tank					

INVENTORIES

AI ID: 1101 - E I DuPont de Nemours Co Inc - Pontchartrain Works
 Activity Number: PER20070004
 Permit Number: 2090-V2
 Air - Title V Regular Permit Renewal

Stack Information:		Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Diamines Unit								
EQT0012	1500-8 - Crude / No. 3 Product Storage Tank Scrubber	.2	.5	.25	.25	.30	95	
EQT0014	1500-9 - Aniline / Fuel Oil Storage Tank No. 2	.2	.6	.25	.5	.30	77	
EQT0015	1500-11 - Product Storage Tank Scrubber	.93	11	.5	.25	.3	95	
EQT0022	1500-12 - Waste Heat Generator	60	17700	.25	.17	.20	77	608
EQT0023	1500-13 - Nitric Acid Storage Tank No. 1							
EQT0024	1500-1718 - 1527 Scrubber	2	24	.5	.25	.40	86	
EQT0025	1500-17 - Recycle Aniline Tank							
EQT0026	1500-18 - Waste Stripper Feed Tank							
EQT0027	1500-20 - Waste Water Extractor	1.75	2.3	.17	.25	.85	104	
EQT0028	1500-20A - Water Extractor							
EQT0029	1500-20B - Nitrate Extractor							
EQT0030	1500-22 - Synthesis Building Sump							
EQT0031	1500-66 - Flammable Vent Header Flare No. 2 (Primary)	1.89	40	.67	.67	.95	104	
EQT0032	1500-34 - Flammable Vent Header Flare No. 1 (Alternate)	2	40	.67	.67	.95	104	
EQT0049	1500-35 - Dowtherm Hold Tank							
EQT0050	1500-36 - Dowtherm Storage Tank							
EQT0051	1500-38 - Hydrogenate Storage Tank Scrubber	8	40	.33	.33	.35	86	
EQT0053	1500-40 - Nitric Acid Storage Tank No. 2							
EQT0054	1500-44 - Synthesis Building Vacuum Exhaust System	33	2800	1.33	.33	.95	78	
EQT0055	1500-45 - Product Loading Scrubber	7	36	.33	.33	.20	95	
EQT0057	1500-49 - High Boiler Building Maintenance Exhaust System	34	1600	1	1	.95	77	
EQT0058	1500-50 - Tank Farm Maintenance Exhaust System	24	1150	1	1	.40	77	
EQT0059	1500-51 - Refining Building NW Closed Sump							
EQT0060	1500-52 - Refining Building SE Closed Sump							
EQT0061	1500-54B - Aqueous Waste Tank #2/Specialty/Fuel Oil Tank #1							
EQT0062	1500-59 - Refining Building Exhaust System	33	2800	1.33	.25	.36	104	
EQT0063	1500-60 - Ammonia Recovery Column Flare	20	60	.25	.83	.112	108	
EQT0069	1500-61 - CLCW Hold Tank							
EQT0070	1500-63 - Dowtherm Closed Sump							
EQT0071	1500-64 - Rinse Water Tank							
EQT0072	1500-65 - Truck Loading Scrubber	3.73	11	.25	.25	.39	98	
EQT0115	1500-67 - Ammonia Unloading Compressor Cleanup Drum	.77	1	.17	.17	4	80	

INVENTORIES

AI ID: 1101 - E I DuPont de Nemours Co Inc - Pontchartrain Works
 Activity Number: PER20070004
 Permit Number: 2090-V2
 Air - Title V Regular Permit Renewal

Relationships:

ID	Description	Relationship	ID	Description
EQT0007	1500-2A Air Oxidation Reactor Purge	Vents to	EQT0006	1500-2 Start up Flare
EQT0008	1500-3B Weak Acid Tank	Vents to	EQT0010	1500-3A Acid Scrubber Vent
EQT0010	1500-3A Acid Scrubber Vent	Vents to	EQT0008	1500-3 Abator Stack
EQT0011	1500-3A1 DC Reactor / Rearranger Reactor Purge	Vents to	EQT0010	1500-3A Acid Scrubber Vent
EQT0013	1500-8A Crude / No. 3 Product Storage Tank	Vents to	EQT0012	1500-8 Crude / No. 3 Product Storage Tank Scrubber
EQT0016	1500-11A Product Analysis Tank	Vents to	EQT0015	1500-11 Product Storage Tank Scrubber
EQT0017	1500-11B OPDA Storage Tank	Vents to	EQT0015	1500-11 Product Storage Tank Scrubber
EQT0018	1500-11C No.1 PPDA Storage Tank	Vents to	EQT0015	1500-11 Product Storage Tank Scrubber
EQT0019	1500-11D No.2 PPDA Storage Tank	Vents to	EQT0015	1500-11 Product Storage Tank Scrubber
EQT0020	1500-11E Product/Rework Tank	Vents to	EQT0015	1500-11 Product Storage Tank Scrubber
EQT0021	1500-11F Diamines Truck Loading Facility	Vents to	EQT0024	1500-17/18 1527 Scrubber
EQT0025	1500-17 Recycle Ailine Tank	Vents to	EQT0024	1500-17/18 1527 Scrubber
EQT0026	1500-18 Waste Stripper Feed Tank	Vents to	EQT0027	1500-20 Waste Water Extractor
EQT0028	1500-20A Water Extractor	Vents to	EQT0027	1500-20 Waste Water Extractor
EQT0029	1500-20B Nitrate Extractor	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0033	1500-34A DCR Storage Tank	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0033	1500-34A DCR Storage Tank	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0034	1500-34B Flush Water Tank	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0034	1500-34B Flush Water Tank	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0035	1500-34C Benzene Storage Tank	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0035	1500-34C Benzene Storage Tank	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0036	1500-34D West High Boiler Waste Tank	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0036	1500-34D West High Boiler Waste Tank	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0037	1500-34E East High Boiler Waste Tank	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0037	1500-34E East High Boiler Waste Tank	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0038	1500-34F Ailine Hold Tank	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0038	1500-34F Ailine Hold Tank	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0039	1500-34H Crude Column	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0039	1500-34H Crude Column	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0040	1500-34I High Boiler Column	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0040	1500-34I High Boiler Column	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0041	1500-34J IPP Column	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0041	1500-34J IPP Column	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0042	1500-34K Low Boiler Column	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0042	1500-34K Low Boiler Column	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0043	1500-34L Refining Column	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0043	1500-34L Refining Column	Vents to		

INVENTORIES
AI ID: 1101 - E I DuPont de Nemours Co Inc - Pontchartrain Works
Activity Number: PER20070004
Permit Number: 2090-V2
Air - Title V Regular Permit Renewal

Relationships:

ID	Description	Relationship	ID	Description
EQT0044	1500-34M Topper Column	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0044	1500-34M Topper Column	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0045	1500-34Q High Boiler Receiver	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0045	1500-34Q High Boiler Receiver	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0046	1500-34R Dowtherm Vacuum Pump	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0046	1500-34R Dowtherm Vacuum Pump	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0047	1500-34S Benzene Truck Loading Facility	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0047	1500-34S Benzene Truck Loading Facility	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0048	1500-34T Synthesis Tank Farm Closed Sump	Vents to	EQT0031	1500-66 Flammable Vent Header Flare No. 2 (Primary)
EQT0048	1500-34T Synthesis Tank Farm Closed Sump	Vents to	EQT0032	1500-34 Flammable Vent Header Flare No. 1 (Alternate)
EQT0052	1500-38A Hydrogenate Storage Tank	Vents to	EQT0051	1500-38 Hydrogenate Storage Tank Scrubber
EQT0056	1500-45A Diamines Railcar Loading Facility	Vents to	EQT0055	1500-45 Product Loading Scrubber
EQT0064	1500-60A No. 2 Strong Base Tank	Vents to	EQT0063	1500-60 Ammonia Recovery Column Flare
EQT0065	1500-60B No. 1 Weak Base Tank	Vents to	EQT0063	1500-60 Ammonia Recovery Column Flare
EQT0066	1500-60C Hydrogenation Feed Tank	Vents to	EQT0063	1500-60 Ammonia Recovery Column Flare
EQT0067	1500-60D PPDA/NH3 Recovery Column	Vents to	EQT0063	1500-60 Ammonia Recovery Column Flare
EQT0068	1500-60E Waste Water Stripper Column	Vents to	EQT0063	1500-60 Ammonia Recovery Column Flare

Subject Item Groups:

ID	Group Type	Group Description		
UNF0001	Unit or Facility Wide	E.I. DuPont - Diamines Unit		

Group Membership:

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multipplier	Units Of Measure
0835	Olefins and Aromatics N.E.C. (Rated Capacity)	43.3	MM Lb/Yr
2869	Industrial organic chemicals, nec	A11101	
2869	Industrial organic chemicals, nec	UNF001	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1101 - E I DuPont de Nemours Co Inc - Pontchartrain Works

Activity Number: PER20070004

Permit Number: 2090-V2

Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Diamines Unit															
EQT 0005 1150-24															
EQT 0006 1500-2	23	30	2	853	1565	70.6	<0.001	<0.001	0.001	0.28	0.78	0.023	0.002	0.03	0.005
EQT 0008 1500-3	0.41	0.5	1.7	20	24	87.4	<0.001	<0.001	0.001	0.02	0.05	0.15	0.2	0.6	0.446
EQT 0012 1500-8													0.103	0.203	
EQT 0014 1500-9													0.075	0.095	0.32
EQT 0015 1500-11													0.007	0.01	0.028
EQT 0022 1500-12	2	10.4	6.7	34	118	120	0.19	1.2	0.85	0.002	0.004	0.008	0.502	4.8	1.246
EQT 0024 1500-17/18													0.002	0.002	0.002
EQT 0027 1500-20													0.004	0.004	0.009
EQT 0030 1500-22													0.003	0.007	0.013
EQT 0031 1500-66	0.77	1	3.36	0.3	0.4	1.31	0.001	0.001	0.01	0.02	0.05	0.57	0.8	2.48	
EQT 0049 1500-35													0.001	0.001	0.002
EQT 0050 1500-36													0.001	0.001	0.002
EQT 0051 1500-38													0.007	0.01	0.016
EQT 0054 1500-44													0.043	0.353	0.153
EQT 0055 1500-45													0.231	0.346	0.072
EQT 0057 1500-49													0.063	1.003	0.253
EQT 0058 1500-50													0.063	1.003	0.253
EQT 0059 1500-51													0.003	0.005	0.008
EQT 0060 1500-52													0.003	0.005	0.008
EQT 0061 1500-54B													0.068	0.174	0.287
EQT 0062 1500-59													0.014	0.104	0.044
EQT 0063 1500-60	0.42	0.5	1.83	0.08	0.1	0.35	<0.001	0.001	0.003	0.005	0.013	0.032	0.052	0.021	

EMISSION RATES FOR CRITERIA POLLUTANTS

AIID: 1101 - E I DuPont de Nemours Co Inc - Pontchartrain Works

Activity Number: PER20070004

Permit Number: 2090-V2

Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Diamines Unit															
EQT 0069 1500-61													0.004	0.005	0.007
EQT 0070 1500-63													0.001	0.001	0.001
EQT 0071 1500-64													0.002	0.002	0.002
FUG 0001 1500-58													1.81	3.3	7.44

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1101 - E I DuPont de Nemours Co Inc - Pontchartrain Works

Activity Number: PER20070004

Permit Number: 2090-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0005 1150-24	Ammonia	< 0.001	< 0.001	0.002
	Aniline	< 0.001	< 0.001	0.001
EQT 0008 1500-3	Ammonia	7	10	28
	Aniline	0.15	0.2	0.6
EQT 0012 1500-8	Aniline	0.1	0.2	0.44
	o-Phenylenediamine	< 0.001	0.001	0.002
	para-Phenylenediamine	< 0.001	0.001	0.002
EQT 0014 1500-9	Aniline	0.02	0.03	0.08
EQT 0015 1500-11	o-Phenylenediamine	0.005	0.01	0.02
	para-Phenylenediamine	0.001	0.004	0.004
EQT 0022 1500-12	Aniline	0.002	0.02	0.007
	o-Phenylenediamine	0.01	0.1	0.05
	para-Phenylenediamine	0.01	0.1	0.039
EQT 0023 1500-13	Nitric acid	0.002	0.003	0.008
EQT 0024 1500-17/18	Ammonia	< 0.001	0.001	0.002
	Aniline	< 0.001	< 0.001	0.001
	Benzene	< 0.001	< 0.001	0.001
EQT 0027 1500-20	Ammonia	0.04	0.05	0.15
	Aniline	0.002	0.003	0.008
	Benzene	0.002	< 0.001	0.001
EQT 0030 1500-22	Ammonia	0.007	0.05	0.03
	Aniline	0.002	0.003	0.008
	Benzene	< 0.001	< 0.002	0.001
EQT 0031 1500-66	Ammonia	0.25	0.31	1.12
	Aniline	0.1	0.2	0.44
	Benzene	0.09	0.1	0.36
	o-Phenylenediamine	0.05	0.1	0.20
	para-Phenylenediamine	0.04	0.07	0.17
EQT 0049 1500-35	Biphenyl	< 0.001	< 0.001	0.002
EQT 0050 1500-38	Biphenyl	< 0.001	< 0.001	0.002
EQT 0051 1500-38	Ammonia	< 0.001	0.001	0.002
	Aniline	0.003	0.006	0.012
	Benzene	< 0.001	< 0.001	0.001
	o-Phenylenediamine	< 0.001	< 0.001	0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1101 - E I DuPont de Nemours Co Inc - Pontchartrain Works

Activity Number: PER20070004

Permit Number: 2090-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0051 1500-38	para-Phenylenediamine	< 0.001	< 0.001	0.001
EQT 0053 1500-40	Nitric acid	0.002	0.003	0.008
EQT 0054 1500-44	Ammonia	0.01	0.1	0.04
	Aniline	0.04	0.35	0.15
	o-Phenylenediamine	< 0.001	< 0.001	0.001
	para-Phenylenediamine	< 0.001	< 0.001	0.001
EQT 0055 1500-45	Ammonia	0.003	0.005	0.001
	Benzene	0.003	0.005	0.001
	o-Phenylenediamine	0.003	0.005	0.001
	para-Phenylenediamine	0.032	0.048	0.01
EQT 0057 1500-49	Ammonia	0.01	0.1	0.04
	Aniline	0.06	1.0	0.25
	o-Phenylenediamine	< 0.001	< 0.001	0.001
	para-Phenylenediamine	< 0.001	< 0.001	0.001
EQT 0058 1500-50	Ammonia	0.01	0.1	0.04
	Aniline	0.06	1.0	0.25
	o-Phenylenediamine	< 0.001	< 0.001	0.001
	para-Phenylenediamine	< 0.001	< 0.001	0.001
EQT 0059 1500-51	Ammonia	0.007	0.05	0.03
	Aniline	< 0.001	0.003	0.003
	Benzene	0.001	0.004	0.004
EQT 0060 1500-52	Ammonia	0.007	0.01	0.03
	Aniline	< 0.001	0.003	0.003
	Benzene	0.001	0.004	0.004
EQT 0061 1500-54B	Ammonia	0.001	0.001	0.002
	Aniline	0.001	0.001	0.001
	Benzene	0.001	0.006	0.002
EQT 0062 1500-59	Ammonia	0.01	0.1	0.04
	Aniline	0.01	0.1	0.04
	Benzene	< 0.001	0.001	0.001
	o-Phenylenediamine	< 0.001	< 0.001	0.001
	para-Phenylenediamine	< 0.001	< 0.001	0.001
EQT 0063 1500-60	Ammonia	0.5	0.6	2.0
	Aniline	< 0.001	< 0.001	0.003

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1101 - E I DuPont de Nemours Co Inc - Pontchartrain Works

Activity Number: PER20070004

Permit Number: 2090-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0063 1500-60	Benzene	0.001	0.002	0.004
EQT 0069 1500-61	Ammonia	< 0.001	< 0.001	0.001
	Aniline	< 0.001	< 0.001	0.001
	Benzene	< 0.001	< 0.001	0.001
	Ethylene glycol	< 0.001	< 0.001	0.001
EQT 0070 1500-63	Biphenyl	< 0.001	< 0.001	0.001
EQT 0071 1500-64	Ammonia	< 0.001	< 0.001	0.001
	Aniline	< 0.001	< 0.001	0.001
	Benzene	< 0.001	< 0.001	0.001
EQT 0115 1500-67	Ammonia	3	5	0.4
FUG 0001 1500-58	Ammonia	0.5	0.6	2
	Aniline	0.7	1	3
	Benzene	0.1	0.2	0.4
	Biphenyl	0.01	0.05	0.04
	Nitric acid	0.01	0.05	0.04
	o-Phenylenediamine	< 0.001	< 0.001	0.001
	para-Phenylenediamine	< 0.001	< 0.001	0.001
UNF 0001 E.I. DuPont	Ammonia			33.93
	Aniline			5.30
	Benzene			0.78
	Biphenyl			0.045
	Ethylene glycol			0.001
	Nitric acid			0.056
	o-Phenylenediamine			0.28
	para-Phenylenediamine			0.23

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

Emission Rates Notes:

EQT 0008	Ammonia	Tons/Year	Emission Point 1500-3: Ammonia is byproduct created during catalytic conversion of NO to N2 by combustion with H2 or CH4, 93% NO to N2 and 2% to NH3. Which Months: All Year
EQT 0012	Aniline	Tons/Year	Emission Point 1500-8: Aniline clearups are rarely done, but aniline is included for operational flexibility. Which Months: All Year
EQT 0061	Ammonia	Tons/Year	Emission Point 1500-54B: Ammonia emitted only when storing aqueous waste. Which Months: All Year
EQT 0061	Benzene	Tons/Year	Emission Point 1500-54B: Benzene emitted during railcar unloading. Which Months: All Year
EQT 0069	Ethylene glycol	Tons/Year	Emission point 1500-61: Ethylene glycol as anti-freeze Which Months: All Year

SPECIFIC REQUIREMENTS

AI ID: 1101 - E | DuPont de Nemours Co Inc - Ponchartrain Works

Activity Number: PER20070004

Permit Number: 2090-W2

Air - Title V Regular Permit Renewal

EQT0005 1150-24 Diamines Aqueous Waste Tank

- 1 [40 CFR 63.100]
 2 [40 CFR 63.132(a)(3)]
 Subpart G. [40 CFR 63.132(a)(3)]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records specified in 40 CFR 63.147(a) through (I), as applicable. Subpart G.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 1.32(a)(3).

EQT0006 1500-2 Start up Flare

- 5 [LAC 33:III.1105]
 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
 Which Months: All Year Statistical Basis: None specified
 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:1.3923. Notification is required only if the upset cannot be controlled in six hours.

EQT0008 1500-3 Abator Stack

- 7 [LAC 33:III.1101.B]
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 HON Group 2 process vent meeting the requirements of 40 CFR 63.100, 111(a)(3) and 113(e) is routed to this source. [Aniline emissions from acid scrubber 1500-3A prior to the abator are included with source 1500-3. The acid scrubber recovers aniline from several vent streams. One of these streams contains NOx. The stream leaving the scrubber is then routed to the abator to turn any remaining NOx into nitrogen and water vapor before venting to the vent stack].

EQT0009 1500-3B Weak Acid Tank

- 10 [LAC 33:III.5109.A] Emits Class III TAP only. MACT is not required.

EQT0010 1500-3A Acid Scrubber Vent

SPECIFIC REQUIREMENTS

AI ID: 1101 - E | DuPont de Nemours Co Inc - Pontchartrain Works
 Activity Number: PER20070004
 Permit Number: 2090-V2
 Air - Title V Regular Permit Renewal

EQT0010 1500-3A Acid Scrubber Vent	
11	[40 CFR 63.100]
12	[40 CFR 63.113(a)(3)]
13	[40 CFR 63.113(e)]
14	[40 CFR 63.117(b)]
15	[40 CFR 63.118(c)]
16	[40 CFR 63.118(h)]
17	[LAC 33:III.5103.A]
EQT0012 1500-8 Crude / No. 3 Product Storage Tank Scrubber	
18	[40 CFR 60.110b]
19	[40 CFR 63.100]
20	[40 CFR 63.119]
21	[40 CFR 63.120(d)(5)]
22	[40 CFR 63.120(d)(6)]
23	[40 CFR 63.122(g)]
24	[40 CFR 63.123(f)]
25	[LAC 33:III.2103]

- Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- Achieve and maintain a TRE > 1.0 at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Comply with the provisions for a Group 2 process vent specified in either 40 CFR 63.113(d) or (e), whichever is applicable. Subpart G. [40 CFR 63.113(a)(3)]
- Group 2 process vent, TRE > 4.0. Comply with the TRE calculation in 63.115 and the reporting and recordkeeping provisions in 63.117(b) and 63.118(c) and (h). [The acid scrubber is the final recovery device for process vent 1500-3A1 (DC Reactor/Rearranger Reactor Purge)]. Subpart G. [40 CFR 63.113(e)]
- Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
- Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
- Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 113(a)(3) and 113(e).

- Scrubber is used to control emissions from a source subject to NSPS. However, source is a HON tank and is required to comply only with the HON as specified in 40 CFR 63.110(b)(1). Subpart Kb.
- Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- Comply with the applicable requirements specified in 63.120(d)(1) through (d)(7) to demonstrate compliance with 63.119(e). Subpart G.
- Monitor the parameters specified in the Notification of Compliance Status required in 40 CFR 63.152(b) or in the operating permit and operate and maintain the control device such that the monitored parameters remain within the ranges specified in the Notification of Compliance Status. Subpart G. [40 CFR 63.120(d)(5)]
- Inspect each closed vent system as specified in 63.148. Do the initial and annual inspections required by 63.148(b) during filling of the storage vessel. Subpart G. [40 CFR 63.120(d)(6)]
- Submit in the next periodic report required by 63.152(c), a description of the planned routine maintenance for the previous and next 6 months. Also, describe each occurrence when the monitored parameters were outside of the parameter ranges documented in the Notification of Compliance Status. Subpart G. [40 CFR 63.122(g)]
- Keep records of the measured values of the parameters monitored and planned routine maintenance performed on the control device as specified in 63.123(f)(1) and (f)(2). Subpart G. [40 CFR 63.123(f)]
- Comply with the requirements in LAC 33:III.2103.E for a vapor loss control system. (Applicable when tank 1500-8A is used as Crude Storage Tank).

SPECIFIC REQUIREMENTS

AI ID: 1101 - E | DuPont de Nemours Co Inc - Pontchartrain Works
 Activity Number: PER20070004
 Permit Number: 2090-V2
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EQT0012 | 1500-8 Crude / No. 3 Product Storage Tank Scrubber

- 26 [LAC 33:III.2115.K] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
- 27 [LAC 33:III.501.C.6] Operate Crude Scrubber 1500-8 within the following operating parameters to reduce HAP emissions by 95% as required by 40 CFR 63.119(e)(1) to control Group 1 storage vessel 1500-8A (Crude Storage Tank): Scrubbing Agent: Water; Minimum Flow Rate: 400 pph. Monitor and record the flow rate every 15 minutes. Report in the next periodic report required by 63.152(c), any occurrence when the monitored parameters were outside of the range established. Keep records of instrument calibration and maintenance on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 28 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with applicable HON provisions. [Applicable when tank 1500-8A is used as Crude Storage Tank (Group 1 storage vessel)].

EQT0013 | 1500-8A Crude / No. 3 Product Storage Tank

- 29 [40 CFR 60.110b] Storage vessel subject to Kb and the HON Subpart G. Tank is a Group 1 storage vessel and is required to comply only with the HON as specified in 40 CFR 63.110(b)(1). (Applicable when tank is used as Crude Storage Tank). Subpart Kb. Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 30 [40 CFR 63.100] Reduce hazardous air pollutant emissions to the atmosphere by operating and maintaining a closed vent system and control device in accordance with the requirements in 40 CFR 63.119(e). The final control device for the tank is scrubber 1500-8. [Applicable when tank is used as Crude Storage Tank (Group 1 storage vessel)]. Subpart G. [40 CFR 63.119(a)(1)] Comply only with the recordkeeping requirements in 40 CFR 63.123(a) when tank is used as No. 3 Product Storage Tank (Group 2 storage vessel). Subpart G. [40 CFR 63.119(a)(3)] Design and operate the control device to reduce inlet emissions of organic HAP by 95% or greater. [Applicable when tank is used as Crude Storage Tank (Group 1 storage vessel)]. Subpart G. [40 CFR 63.119(e)(1)]
- 31 [40 CFR 63.119(a)(1)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 1 or Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 32 [40 CFR 63.119(a)(3)] Equip with a submerged fill pipe and a vapor loss control device as specified in LAC 33:III.2103.E. (Applicable when tank is used as Crude Storage Tank).
- 33 [40 CFR 63.119(e)(1)] VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
- 34 [40 CFR 63.123(a)] Which Months: All Year Statistical Basis: None specified
- 35 [LAC 33:III.2103.B] Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
- 36 [LAC 33:III.2103.E.1] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e.
- 37 [LAC 33:III.2103.E] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

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EQT0013	1500-8A Crude / No. 3 Product Storage Tank	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHPAP (HON) Subparts F and G, 40 CFR 63.100, 119(a)(1) and 119(e). [Applicable when tank is used as Crude Storage Tank (Group 1 storage vessel)].
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EQT0014 1500-9 Aniline / Fuel Oil Storage Tank No. 2

- 41 [40 CFR 63.100]
- 42 [40 CFR 63.119(a)(3)]
- 43 [40 CFR 63.123(a)]
- 44 [LAC 33:III.5109.A]

Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
 Group 2 storage vessel. Comply only with the recordkeeping requirements in 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Comply with NESHPAP (HON) Subparts F and G, 40 CFR 63.100 and 119(a)(3). [Applicable when tank is used as Aniline Storage Tank (Group 2 storage vessel)].

EQT0015 1500-11 Product Storage Tank Scrubber

- 45 [LAC 33:III.2115.K]
- 46 [LAC 33:III.501.C.6]
- 47 [LAC 33:III.501.C.6]
- 48 [LAC 33:III.507.H.1.a]
- 49 [LAC 33:III.507.H.1.a]
- 50 [LAC 33:III.507.H.1.a]
- 51 [40 CFR 63.100]
- 52 [40 CFR 63.119(a)(3)]

Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
 Product Storage Tank Scrubber (1500-11) shall be used in alternate service with the Truck Loading Scrubber (1500-65). Three alternate operating scenarios for scrubber operation shall be possible. In the first scenario, Scrubber 1500-11 shall be used at 100% with Scrubber 1500-65 at 0%. For the second scenario, Scrubber 1500-65 shall be used at 100% with Scrubber 1500-11 at 0%. In the third scenario, both scrubbers shall be operated in any combination between 0% and 100% with total emissions that occur from scenarios 1 or 2. (State Only).
 Scrubber Flow rate >= 450 lb/hr.
 Which Months: All Year Statistical Basis: None specified
 Flow rate monitored by flow rate monitoring device once every twelve hours.
 Which Months: All Year Statistical Basis: None specified
 Flow rate recordkeeping by electronic or hard copy once every twelve hours.
 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division.

EQT0016 1500-11A Product Analysis Tank

- 51 [40 CFR 63.100]
- 52 [40 CFR 63.119(a)(3)]

Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
 Group 2 storage vessel. Comply only with the recordkeeping requirements in 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)]

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EQT0016	1500-11A Product Analysis Tank	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
EQT0017	1500-11B OPDA Storage Tank	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F. Group 2 storage vessel. Comply only with the recordkeeping requirements in 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
EQT0018	1500-11C No.1 PPDA Storage Tank	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F. Group 2 storage vessel. Comply only with the recordkeeping requirements in 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
EQT0019	1500-11D No.2 PPDA Storage Tank	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F. Group 2 storage vessel. Comply only with the recordkeeping requirements in 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
EQT0020	1500-11E Product/Rework Tank	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F. Group 2 storage vessel. Comply only with the recordkeeping requirements in 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
EQT0021	1500-11F Diamines Truck Loading Facility	

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EQT0021 1500-11F Diamines Truck Loading Facility

66 [40 CFR 63.100]
 67 [40 CFR 63.126(c)]
 68 [40 CFR 63.130(f)]

Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
 Group 2 transfer rack. Comply only with the recordkeeping requirements in 40 CFR 63.130(f). Subpart G. [40 CFR 63.126(c)]
 Equipment/operational data recordkeeping by electronic or hard copy annually. Keep records of design and actual annual throughput, weight-percent organic HAPs, and annual rack weighted average HAP partial pressure as specified in 40 CFR 63.130(f)(1) through (f)(3). Subpart G. [40 CFR 63.130(f)]

EQT0022 1500-12 Waste Heat Generator

69 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lanceing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified

70 [LAC 33:III.1313.C]

Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified

71 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 This source burns some non-hazardous waste for fuel to generate steam. It was designed to burn organic streams with 99.99% efficiency.

EQT0023 1500-13 Nitric Acid Storage Tank No.1

72 [LAC 33:III.5109.A]

Emits Class III TAP only. MACT is not required. (Source emits nitric acid, facility wide < MER).

EQT0024 1500-1718 1527 Scrubber

73 [LAC 33:III.2115.K]

Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
 Flow rate >= 0.5 gallons/min.
 Which Months: All Year Statistical Basis: None specified

74 [LAC 33:III.501.C.6]

Flow rate monitored by flow rate monitoring device once every twelve hours.
 Which Months: All Year Statistical Basis: None specified

75 [LAC 33:III.507.H.1.a]

Flow rate recordkeeping by electronic or hard copy once every twelve hours.
 Which Months: All Year Statistical Basis: None specified

76 [LAC 33:III.507.H.1.a]

Submit report Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division.

77 [LAC 33:III.507.H.1.a]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 HON Group 2 storage vessels meeting the requirements of 40 CFR 63.100 and 119(a)(3) are routed to this source.

EQT0025 1500-17 Recycle Aniline Tank

SPECIFIC REQUIREMENTS

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<u>EQT0026</u>	1500-17 Recycle Aniline Tank			
79	[40 CFR 63.100]	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.		
80	[40 CFR 63.119(a)(3)]	Group 2 storage vessel. Comply only with the recordkeeping requirements in 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)]		
81	[40 CFR 63.123(a)]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]		
82	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 119(a)(3). (Tank vents through a water scrubber with 99% control efficiency).		
<u>EQT0026</u>	1500-18 Waste Stripper Feed Tank			
83	[40 CFR 63.100]	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.		
84	[40 CFR 63.119(a)(3)]	Group 2 storage vessel. Comply only with the recordkeeping requirements in 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)]		
85	[40 CFR 63.123(a)]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]		
86	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 119(a)(3). (Tank vents through a water scrubber with 99% control efficiency).		
<u>EQT0027</u>	1500-20 Waste Water Extractor			
87	[LAC 33:III.2115.K]	Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.		
88	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. HON Group 2 wastewater streams meeting the requirements of 40 CFR 63.100 and 132(a)(3) are routed to this source. [The wastewater extractors are used to separate some of the organics prior to final disposal to the injection wells. HAP concentration is < 1,000 ppm].		
<u>EQT0028</u>	1500-20A Water Extractor			
89	[40 CFR 63.100]	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.		
90	[40 CFR 63.132(a)(3)]	Group 2 process wastewater. Comply with the applicable reporting and recordkeeping requirements specified in 63.146(b)(1) and 63.147(b)(8).		
91	[40 CFR 63.147]	Subpart G. [40 CFR 63.132(a)(3)]		
92	[LAC 33:III.5109.A]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G.		
		Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 132(a)(3).		

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EQT0030 1500-22 Synthesis Building Flare Sump	
93 [40 CFR 63.100]	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
94 [40 CFR 63.132(a)(3)]	Group 2 process wastewater. Comply with the applicable reporting and recordkeeping requirements specified in 63.146(b)(1) and 63.147(b)(8).
95 [40 CFR 63.147]	Subpart G. [40 CFR 63.132(a)(3)]
96 [LAC 32:III.5109.A]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 132(a)(3).
EQT0031 1500-66 Flammable Vent Header Flare No. 2 (Primary)	
97 [40 CFR 60.18]	Comply with the general control device requirements of 40 CFR 60.18(b). (Flare is part of a closed vent header that is used to control benzene emissions from benzene tank 1500-34C subject to 40 CFR 61 Sub Y). Subpart A.
98 [40 CFR 61.271(c)(2)]	Benzene >= 95 % reduction. Subpart Y. [40 CFR 61.271(c)(2)]
99 [40 CFR 61.271(c)(2)]	Which Months: All Year Statistical Basis: None specified
100 [40 CFR 61.272(d)]	Meet the specifications described in the general control device requirements of 40 CFR 60.18. Subpart Y. [40 CFR 61.271(c)(2)]
101 [40 CFR 61.276]	Meet the requirements as specified in the general control device requirements in 40 CFR 60.18(e) and (f). Subpart Y. [40 CFR 61.272(d)]
102 [40 CFR 63.100]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 61.276(c). Subpart Y.
103 [40 CFR 63.113(a)(1)]	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
104 [40 CFR 63.114(a)(2)]	Comply with the requirements of 40 CFR 63.11(b) of Subpart A in accordance with 63.116(a). (Control device for Group 1 process vents 1500-34I, 1500-34J, 1500-34K, and 1500-34L). Subpart G. [40 CFR 63.113(a)(1)]
105 [40 CFR 63.116(a)(1)]	Presence of a flame monitored by the regulation's specified method(s) continuously. Subpart G. [40 CFR 63.114(a)(2)]
106 [40 CFR 63.116(a)(2)]	Which Months: All Year Statistical Basis: None specified
107 [40 CFR 63.116(a)(3)]	Conduct a visible emission test using the techniques specified in 40 CFR 63.11(b)(4). Subpart G. [40 CFR 63.116(a)(1)]
108 [40 CFR 63.117(a)]	Determine the net heating value of the gas being combusted using the techniques specified in 40 CFR 63.11(b)(6). Subpart G. [40 CFR 63.116(a)(2)]
109 [40 CFR 63.118(a)]	Determine the exit velocity using the techniques specified in either 40 CFR 63.11(b)(7)(i) or 63.11(b)(8), as appropriate. Subpart G. [40 CFR 63.116(a)(3)]
110 [40 CFR 63.118(f)(5)]	Equipment/operational data recordkeeping by electronic or hard copy at the regulations specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
111 [40 CFR 63.111]	Equipment/operational data recordkeeping by electronic or hard copy at the regulations specified frequency. Keep up-to-date, readily accessible records of the hourly records of whether the monitor was continuously operating and whether the pilot flame was continuously present during each hour, and records of the times and durations of all periods when all pilot flames are absent or the monitor is not operating as specified in Pt. 63, Subpt. G, Table 3. Subpart G. [40 CFR 63.118(a)]

Report in the Periodic Report required by 63.152(c) the times and durations of all periods when all pilot flames of a flare are absent. Subpart G.

[40 CFR 63.118(f)(5)]

Comply with the control device requirements of 40 CFR 63.11(b). Subpart A.

SPECIFIC REQUIREMENTS

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EQT0031 1500-66 Flammable Vent Header Flare No. 2 (Primary)

- 112 [LAC 33:III.1105] Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
 Which Months: All Year Statistical Basis: None Specified
 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:1.3923. Notification is required only if the upset cannot be controlled in six hours.
 Comply with the requirements of a vapor loss control system as specified in LAC 33:III.2103.E. (Control device for benzene storage tank 1500-34C).
- 113 [LAC 33:III.1105] Flammable Vent Header Flare No. 2 (1500-66) shall be used as the primary flare with Flammable Vent Header Flare No. 1 (1500-34) as the backup, to be used only when the primary flare is out of service. There shall be only one flare in operation at any given time.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- 114 [LAC 33:III.2103] Comply with applicable HON provisions.

EQT0032 1500-34 Flammable Vent Header Flare No. 1 (Alternate)

- 115 [LAC 33:III.501.C.6] Comply with the general control device requirements of 40 CFR 60.18(b). (Flare is part of a closed vent header that is used to control benzene emissions from benzene tank 1500-34C subject to 40 CFR 61 Sub Y). Subpart A.
 Benzene >= 95 % reduction. Subpart Y. [40 CFR 61.271(c)(2)]
 Which Months: All Year Statistical Basis: None Specified
 Meet the specifications described in the general control device requirements of 40 CFR 60.18. Subpart Y. [40 CFR 61.271(c)(2)]
 Meet the requirements as specified in the general control device requirements in 40 CFR 60.18(e) and (f). Subpart Y. [40 CFR 61.272(d)]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 61.276(c). Subpart Y.
 Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
 Comply with the requirements of 40 CFR 63.11(b) of Subpart A in accordance with 63.116(a). (Control device for Group 1 process vents 1500-34I, 1500-34J, 1500-34K, and 1500-34L). Subpart G. [40 CFR 63.113(a)(1)]
 Presence of a flame monitored by the regulation's specified method(s) continuously. Subpart G. [40 CFR 63.114(a)(2)]
 Which Months: All Year Statistical Basis: None Specified
 Conduct a visible emission test using the techniques specified in 40 CFR 63.11(b)(4). Subpart G. [40 CFR 63.116(a)(1)]
 Determine the net heating value of the gas being combusted using the techniques specified in 40 CFR 63.11(b)(6). Subpart G. [40 CFR 63.116(a)(2)]
 Determine the exit velocity using the techniques specified in either 40 CFR 63.11(b)(7)(i) or 63.11(b)(8), as appropriate. Subpart G. [40 CFR 63.116(a)(3)]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

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EQT0032 1500-34 Flammable Vent Header Flare No. 1 (Alternate)

- 129 [40 CFR 63.113(a)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the hourly records of whether the monitor was continuously operating and whether the pilot flame was continuously present during each hour, and records of the times and durations of all periods when all pilot flames are absent or the monitor is not operating as specified in Pt. 63, Subpt. G, Table 3. Subpart G. [40 CFR 63.118(a)] Report in the Periodic Report required by 63.152(c) the times and durations of all periods when all pilot flames of a flare are absent. Subpart G.
- 130 [40 CFR 63.113(f)(5)] Comply with the control device requirements of 40 CFR 63.11(b). Subpart A.
- 131 [40 CFR 63.11] Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
- 132 [LAC 33:III.1.105] Which Months: All Year Statistical Basis: None specified
- 133 [LAC 33:III.1.105] Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:1.3923. Notification is required only if the upset cannot be controlled in six hours.
- 134 [LAC 33:III.2.103] Comply with the requirements of a vapor loss control system as specified in LAC 33:III.2.103 E. (Control device for benzene storage tank 1500-34C).
- 135 [LAC 33:III.501.C.6] Flammable Vent Header Flare No. 2 (1500-66) shall be used as the primary flare with Flammable Vent Header Flare No. 1 (1500-34) as the backup, to be used only when the primary flare is out of service. There shall be only one flare in operation at any given time.
- 136 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with applicable HON provisions.

EQT0033 1500-34A DCR Storage Tank

- 137 [40 CFR 60.110b] Storage vessel subject to Kb and the HON Subpart G. Tank is a Group 2 storage vessel and is required to comply only with the HON as specified in 40 CFR 63.110(b)(1). Subpart Kb.
- 138 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 139 [40 CFR 63.119(a)(3)] Group 2 storage vessel. Comply only with the recordkeeping requirements in 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)]
- 140 [40 CFR 63.123(a)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 141 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 119(a)(3).

EQT0034 1500-34B Flush Water Tank

- 142 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 143 [40 CFR 63.132(a)(3)] Group 2 process wastewater. Comply with the applicable reporting and recordkeeping requirements specified in 63.146(b)(1) and 63.147(b)(8). Subpart G. [40 CFR 63.132(a)(3)]

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EQT0034 1500-34B Flush Water Tank

- 144 [40 CFR 63.147] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records specified in 40 CFR 63.147(a) through (l), as applicable. Subpart G.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 132(a)(3).

EQT0035 1500-34C Benzene Storage Tank

- 146 [40 CFR 61.271(c)] Equip with a closed vent system and a control device. Comply with the requirements in 40 CFR 61.271(c)(1) through (c)(4). Subpart Y. [40 CFR 61.271(c)]
 Submit report: Due quarterly. Inform DEQ of each occurrence that results in excess emissions. Include the information specified in 40 CFR 61.275(e)(2) and (e)(3), as appropriate. Subpart Y. [40 CFR 61.275(e)]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep these records as long as the storage vessel is in operation. Subpart Y. [40 CFR 61.276(b)]
 A Group 2 storage vessel that is also subject to 40 CFR 61 Subpart Y is required to comply only with the provisions of 40 CFR 61 Subpart Y. The recordkeeping and reporting requirements of 40 CFR 61 Subpart Y will be accepted as compliance with the recordkeeping and reporting requirements of the HON. Subpart G. [40 CFR 63.110(b)(3)]
 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
 Which Months: All Year Statistical Basis: None specified
 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 147 [40 CFR 61.275(e)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Comply with LAC 33:III.2103.A (Tank vents to flare with 98% control efficiency).

EQT0036 1500-34D West High Boiler Waste Tank

- 155 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
 Group 2 storage vessel. Comply only with the recordkeeping requirements in 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 119(a)(3).

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EQT0037	1500-34E East High Boiler Waste Tank	
159 [40 CFR 63.100]	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.	
160 [40 CFR 63.119(a)(3)]	Group 2 storage vessel. Comply only with the recordkeeping requirements in 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)]	
161 [40 CFR 63.123(a)]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]	
162 [LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 119(a)(3).	
EQT0038	1500-34F Aniline Hold Tank	
163 [LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank vents to flare with 98% control efficiency.	
EQT0039	1500-34H Crude Column	
164 [40 CFR 63.100]	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.	
165 [40 CFR 63.113(a)(3)]	Achieve and maintain a TRE > 1.0 at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Comply with the provisions for a Group 2 process vent specified in either 40 CFR 63.113(d) or (e), whichever is applicable. Subpart G. [40 CFR 63.113(a)(3)]	
166 [40 CFR 63.113(e)]	Group 2 process vent. TRE > 4.0. Comply with the TRE calculation in 63.115 and the reporting and recordkeeping requirements in 63.117(b) and 63.118(c) and (h). Subpart G. [40 CFR 63.113(e)]	
167 [40 CFR 63.117(b)]	Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]	
168 [40 CFR 63.118(c)]	Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]	
169 [40 CFR 63.118(h)]	Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]	
170 [LAC 33:III.215.K]	Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.	
171 [LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 113(a)(3) and 113(e).	
EQT0040	1500-34I High Boiler Column	

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EQT0040 1500-34I High Boiler Column

- 172 [40 CFR 63.100]
 173 [40 CFR 63.113(a)(1)]
 174 [LAC 33.III.5109.A]
- Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
 Reduce emissions of organic HAP using a flare. Do not vent halogenated vent streams to a flare. Subpart G. [40 CFR 63.113(a)(1)]
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 113(a)(1). The final control device for the Group 1 process vent is the flare. [See Flare (1500-66/1500-34)'s Specific Requirements].

EQT0041 1500-34J IPP Column

- 175 [40 CFR 63.100]
 176 [40 CFR 63.113(a)(1)]
 177 [LAC 33.III.5109.A]
- Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
 Reduce emissions of organic HAP using a flare. Do not vent halogenated vent streams to a flare. Subpart G. [40 CFR 63.113(a)(1)]
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 113(a)(1). The final control device for the Group 1 process vent is the flare. [See Flare (1500-66/1500-34)'s Specific Requirements].

EQT0042 1500-34K Low Boiler Column

- 178 [40 CFR 63.100]
 179 [40 CFR 63.113(a)(1)]
 180 [LAC 33.III.5109.A]
- Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
 Reduce emissions of organic HAP using a flare. Do not vent halogenated vent streams to a flare. Subpart G. [40 CFR 63.113(a)(1)]
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 113(a)(1). The final control device for the Group 1 process vent is the flare. [See Flare (1500-66/1500-34)'s Specific Requirements].

EQT0043 1500-34L Refining Column

- 181 [40 CFR 63.100]
 182 [40 CFR 63.113(a)(1)]
 183 [LAC 33.III.5109.A]
- Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
 Reduce emissions of organic HAP using a flare. Do not vent halogenated vent streams to a flare. Subpart G. [40 CFR 63.113(a)(1)]
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 113(a)(1). The final control device for the Group 1 process vent is the flare. [See Flare (1500-66/1500-34)'s Specific Requirements].

EQT0044 1500-34M Topper Column

- 184 [40 CFR 63.100]
 185 [40 CFR 63.113(a)(3)]
- Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
 Achieve and maintain a TRE > 1.0 at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Comply with the provisions for a Group 2 process vent specified in either 40 CFR 63.113(d) or (e), whichever is applicable. Subpart G. [40 CFR 63.113(a)(3)]

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EQT0044 1500-34M Topper Column

186	[40 CFR 63.113(e)]	Group 2 process vent. TRE > 4.0. Comply with the TRE calculation in 63.115 and the reporting and recordkeeping requirements in 63.117(b) and 63.118(c) and (h). Subpart G. [40 CFR 63.117(b)]
187	[40 CFR 63.117(b)]	Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
188	[40 CFR 63.118(c)]	Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
189	[40 CFR 63.118(h)]	Submit report. Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]
190	[LAC 33.III.2115.K]	Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
191	[LAC 33.III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 113(a)(3) and 113(e).

EQT0046 1500-34R Dowtherm Vacuum Pump

192	[40 CFR 63.160]	Comply with the applicable requirements of 40 CFR 63 Subpart H. (Included in the LA Consolidated Fugitive Emission Program).
193	[LAC 33.III.212.]	Comply with the applicable requirements of LAC 33.III.212. (Included in the LA Consolidated Fugitive Emission Program).
194	[LAC 33.III.5109.A]	Emits Class II TAP less than the MER (facility wide). No further control is required. (LAC 33.III.5109.A).

EQT0047 1500-34S Benzene Truck Loading Facility

195	[40 CFR 61.305(i)]	Equipment/operational data recordkeeping by electronic or hard copy annually. Record the information specified in 40 CFR 61.305(i)(1) through (i)(4), as a minimum. Make the information available if requested. Subpart BB. [40 CFR 61.305(i)]
196	[40 CFR 61.305(i)]	Submit a report containing the information specified in 40 CFR 61.305(i)(1) through (i)(4) to the Director of the Emission Standards Division, (MD-13), U.S. Environmental Protection Agency, Research Triangle Park, North Carolina 27711. After the first year, no reporting is required. Subpart BB. [40 CFR 61.305(i)]
197	[LAC 33.III.2107.D.1]	VOC, Total: Throughput recordkeeping by electronic or hard copy daily.
198	[LAC 33.III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emissions from the trucks are vented back to the storage tank (1500-34C) which is routed to the flare.

EQT0048 1500-34T Synthesis Tank Farm Closed Sump

199	[40 CFR 63.100]	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
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		EQT0048 1500-34T Synthesis Tank Farm Closed Sump	
200	[40 CFR 63.132(a)(3)]	Group 2 process wastewater. Comply with the applicable reporting and recordkeeping requirements specified in 63.146(b)(1) and 63.147(b)(8). Subpart G. [40 CFR 63.132(a)(3)]	
201	[40 CFR 63.147]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records specified in 40 CFR 63.147(a) through (l), as applicable. Subpart G.	
202	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 132(a)(3).	
		EQT0049 1500-35 Dowtherm Hold Tank	
203	[LAC 33:III.5109.A]	Emits Class II TAP less than the MER (facility wide). No further control is required. (Source emits biphenyl).	
		EQT0050 1500-36 Dowtherm Storage Tank	
204	[LAC 33:III.5109.A]	Emits Class II TAP less than the MER (facility wide). No further control is required. (Source emits biphenyl).	
		EQT0051 1500-38 Hydrogenate Storage Tank Scrubber	
205	[40 CFR 60.110b]	Scrubber is used to control emissions from a source subject to NSPS. However, source is a HON tank and is required to comply only with the HON as specified in 40 CFR 63.110(b)(1). Subpart Kb.	
206	[40 CFR 63.100]	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.	
207	[40 CFR 63.119]	Comply with the applicable requirements specified in 63.120(d)(1) through (d)(7) to demonstrate compliance with 63.119(e). Subpart G.	
208	[40 CFR 63.120(d)(5)]	Monitor the parameters specified in the Notification of Compliance Status required in 40 CFR 63.152(b) or in the operating permit and operate and maintain the control device such that the monitored parameters remain within the ranges specified in the Notification of Compliance Status. Subpart G. [40 CFR 63.120(d)(5)]	
209	[40 CFR 63.120(d)(6)]	Inspect each closed vent system as specified in 63.148. Do the initial and annual inspections required by 63.148(b) during filling of the storage vessel. Subpart G. [40 CFR 63.120(d)(6)]	
210	[40 CFR 63.122(g)]	Submit in the next periodic report required by 63.152(c), a description of the planned routine maintenance for the previous and next 6 months. Also, describe each occurrence when the monitored parameters were outside of the parameter ranges documented in the Notification of Compliance Status. Subpart G. [40 CFR 63.122(g)]	
		Keep records of the measured values of the parameters monitored and planned routine maintenance performed on the control device as specified in 63.123(f)(1) and (f)(2). Subpart G. [40 CFR 63.123(f)]	
211	[40 CFR 63.123(f)]	Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.	
212	[LAC 33:III.2115.K]		

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		EQT0051 1500-38 Hydrogenate Storage Tank Scrubber
213	[LAC 33:III.501.C.6]	Operate Hydrogenate Scrubber 1500-38 within the following operating parameters to reduce HAP emissions by 95% as required by 40 CFR 63.119(e)(1) to control Group 1 storage vessel 1500-38A (Hydrogenate Storage Tank). Scrubbing Agent: Water; Minimum Flow Rate: 250 ppb. Monitor and record the flow rate every 15 minutes. Report in the next periodic report required by 63.152(c), any occurrence when the monitored parameters were outside of the range established. Keep records of instrument calibration and maintenance on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
214	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with applicable HON provisions.

EQT0052 **1500-38A Hydrogenate Storage Tank**

215	[40 CFR 60.110b]	Storage vessel subject to Kb and the HON Subpart G. Tank is a Group 1 storage vessel and is required to comply only with the HON as specified in 40 CFR 63.110(b)(1). Subpart Kb.
216	[40 CFR 63.100]	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
217	[40 CFR 63.119(a)(1)]	Reduce hazardous air pollutants emissions to the atmosphere by operating and maintaining a closed vent system and control device in accordance with the requirements in 40 CFR 63.119(e). The final control device for the tank is scrubber 1500-38. Subpart G. [40 CFR 63.119(a)(1)]
218	[40 CFR 63.119(e)(1)]	Design and operate the control device to reduce inlet emissions of organic HAP by 95% or greater. Subpart G. [40 CFR 63.119(e)(1)]
219	[40 CFR 63.123(a)]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123(a)]
220	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 119(a)(1) and 119(e).

EQT0053 **1500-40 Nitric Acid Storage Tank No.2**

221	[LAC 33:III.5109.A]	Emits Class III TAP only. MACT is not required. (Source emits nitric acid, facility wide < MER).
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EQT0054 **1500-44 Synthesis Building Vacuum Exhaust System**

222	[LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. This exhaust system is equipped with a High Efficiency Particulate Air (HEPA) filter, which removes many of the heavy organics that may have sublimed to a high temperature leak. This system is used only when noticeable fugitive leaks occur around rotating shafts, valves, or flanges, which cannot be controlled quickly. The system is designed to remove fugitive emissions from areas where workers might be exposed.
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EQT0055 **1500-45 Product Loading Scrubber**

223	[LAC 33:III.215.K]	Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
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EQT0055	1500-45 Product Loading Scrubber	
224	[LAC 33.III.501.C.6]	Flow rate >= 400 lb/hr. Which Months: All Year Statistical Basis: None specified
225	[LAC 33.III.507.H.1.a]	Flow rate monitored by flow rate monitoring device once every twelve hours. Which Months: All Year Statistical Basis: None specified
226	[LAC 33.III.507.H.1.a]	Flow rate recordkeeping by electronic or hard copy once every twelve hours.
227	[LAC 33.III.507.H.1.a]	Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division.
228	[LAC 33.III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. HON Group 2 transfer rack meeting the requirements of 40 CFR 63.100 and 126(c) is routed to this source.
EQT0056	1500-45A Diamines Railcar Loading Facility	
229	[40 CFR 63.100]	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
230	[40 CFR 63.126(c)]	Group 2 transfer rack. Comply only with the recordkeeping requirements in 40 CFR 63.130(f). Subpart G. [40 CFR 63.126(c)]
231	[40 CFR 63.130(f)]	Equipment/operational data recordkeeping by electronic or hard copy annually. Keep records of design and actual annual throughput, weight-percent organic HAPs, and annual rack weighted average HAP partial pressure as specified in 40 CFR 63.130(f)(1) through (f)(3). Subpart G. [40 CFR 63.130(f)]
232	[LAC 33.III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 126(c). (Loading facility vents through a scrubber with 98% control efficiency).
EQT0057	1500-49 High Boiler Building Maintenance Exhaust System	
233	[LAC 33.III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. This exhaust system is equipped with a High Efficiency Particulate Air (HEPA) filter, which removes many of the heavy organics that may have sublimed to a high temperature leak. This system is used only when noticeable fugitive leaks occur around rotating shafts, valves, or flanges, which cannot be controlled quickly. The system is designed to remove fugitive emissions from areas where workers might be exposed.
EQT0058	1500-50 Tank Farm Maintenance Exhaust System	
234	[LAC 33.III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. This exhaust system is equipped with a High Efficiency Particulate Air (HEPA) filter, which removes many of the heavy organics that may have sublimed to a high temperature leak. This system is used only when noticeable fugitive leaks occur around rotating shafts, valves, or flanges, which cannot be controlled quickly. The system is designed to remove fugitive emissions from areas where workers might be exposed.
EQT0059	1500-51 Refining Building NW Closed Sump	
235	[40 CFR 63.100]	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.

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EQT0059	1500-51 Refining Building NW Closed Sump	236 [40 CFR 63.132(a)(3)] Subpart G. [40 CFR 63.132(a)(3)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 132(a)(3).
EQT0060	1500-52 Refining Building SE Closed Sump	239 [40 CFR 63.100] 240 [40 CFR 63.132(a)(3)] Subpart G. [40 CFR 63.132(a)(3)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 132(a)(3).
EQT0061	1500-54B Aqueous Waste Tank #2/Specialty/Fuel Oil Tank #1	243 [40 CFR 63.100] 244 [40 CFR 63.132(a)(3)] Subpart G. [40 CFR 63.132(a)(3)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. When tank is used as Aqueous Waste Tank, comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 132(a)(3). When tank is used as Specialty Tank, no further control is required since the vapor pressure is less than 3.5 kPa (0.5 psia).
EQT0062	1500-59 Refining Building Exhaust System	247 [LAC 33.III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. This exhaust system is equipped with a High Efficiency Particulate Air (HEPA) filter, which removes many of the heavy organics that may have sublimed to a high temperature leak. This system is used only when noticeable fugitive leaks occur around rotating shafts, valves, or flanges, which cannot be controlled quickly. The system is designed to remove fugitive emissions from areas where workers might be exposed.
EQT0063	1500-60 Ammonia Recovery Column Flare	

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EQT0063 1500-60 Ammonia Recovery Column Flare

- Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
 Which Months: All Year Statistical Basis: None specified
 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:I.3923. Notification is required only if the upset cannot be controlled in six hours.
 Comply with the requirements of a vapor loss control system as specified in LAC 33:III.2103.E. (Control device for base tanks 1500-60A & 1500-60B).
- Develop a corrective action plan for re-lighting the flare. Plan must be kept readily available for immediate implementation in the event the flare needs to be re-lit.
- Flare gas: Heat content > 300 BTU/scf, to ensure destruction of emissions to the flare stack.
 Which Months: All Year Statistical Basis: None specified
 Flare gas: Heat content monitored by gas analysis annually, to insure the heat content is above 300 BTU/scf.
 Which Months: All Year Statistical Basis: None specified
 Flare gas: Heat content recordkeeping by electronic or hard copy annually.
 Presence of a flame monitored by heat sensing device continuously.
 Which Months: All Year Statistical Basis: None specified
 Presence of a flame recordkeeping by electronic or hard copy continuously.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Group 2 process vents meeting the requirements of 40 CFR 63.100 and 113(a)(3) are routed to this source.

EQT0064 1500-60A No. 2 Strong Base Tank

- Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
 Which Months: All Year Statistical Basis: None specified
 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-c.
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Comply with LAC 33:III.2103.A (Tank vents to flare with 98% control efficiency).

EQT0065 1500-60B No. 1 Weak Base Tank

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<u>EQT0 65 1500-60B No. 1 Weak Base Tank</u>	
263 [LAC 33:III.2103.A]	Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
264 [LAC 33:III.2103.E.1]	VOC, Total $\geq 95\%$ control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. Which Months: All Year Statistical Basis: None specified
265 [LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
266 [LAC 33:III.2103.I]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
267 [LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with LAC 33:III.2103.A (Tank vents to flare with 98% control efficiency).
<u>EQT0066 1500-60C Hydrogenation Feed Tank</u>	
268 [LAC 33:III.5109.A]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tank vents to flare with 98% control efficiency.
<u>EQT0067 1500-60D PPDA/NH3 Recovery Column</u>	
269 [40 CFR 63.100]	Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
270 [40 CFR 63.113(a)(3)]	Achieve and maintain a TRE > 1.0 at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Comply with the provisions for a Group 2 process vent specified in either 40 CFR 63.113(d) or (e), whichever is applicable. Subpart G. [40 CFR 63.113(a)(3)]
271 [40 CFR 63.113(e)]	Group 2 process vent. TRE > 4.0 . Comply with the TRE calculation in 63.115 and the reporting and recordkeeping requirements in 63.117(b) and 63.118(c) and (h). Subpart G. [40 CFR 63.113(e)]
272 [40 CFR 63.117(b)]	Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
273 [40 CFR 63.118(c)]	Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
274 [40 CFR 63.118(b)]	Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]
275 [LAC 33:III.2115.K]	Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

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EQT0067 1500-60D PPDA/NH3 Recovery Column

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 113(a)(3) and 113(e).

EQT0068 1500-60E Waste Water Stripper Column

Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
 Achieve and maintain a TRE > 1.0 at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Comply with the provisions for a Group 2 process vent specified in either 40 CFR 63.113(d) or (e), whichever is applicable. Subpart G. [40 CFR 63.113(a)(3)]
 Group 2 process vent. TRE > 4.0. Comply with the TRE calculation in 63.115 and the reporting and recordkeeping requirements in 63.117(b) and 63.118(c) and (h). Subpart G. [40 CFR 63.113(e)]
 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G [40 CFR 63.117(b)]
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
 Submit report. Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(g)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]
 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 113(a)(3) and 113(e).

EQT0069 1500-61 CLCW Hold Tank

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Vapor pressure of the liquid stored is less than 1.5 psia. No further control is determined as MACT.

EQT0070 1500-63 Dowtherm Closed Sump

Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
 Group 2 process wastewater. Comply with the applicable reporting and recordkeeping requirements specified in 63.146(b)(1) and 63.147(b)(8).
 Subpart G. [40 CFR 63.132(a)(3)]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G.

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EQT0070 1500-63 Dowtherm Closed Sump

289 [LAC 33:III.5109.A] Emits Class II TAP less than the MER (facility wide). No further control is required. (LAC 33:III.5109.A).

EQT0071 1500-64 Rinse Water Tank

- 290 [40 CFR 63.100]
 - 291 [40 CFR 63.132(a)(3)] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
 - 292 [40 CFR 63.147]
 - 293 [LAC 33:III.5109.A]
- Group 2 process wastewater. Comply with the applicable reporting and recordkeeping requirements specified in 63.146(b)(1) and 63.147(b)(8). Subpart G. [40 CFR 63.132(a)(3)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G. Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 132(a)(3).

EQT0072 1500-65 Truck Loading Scrubber

- Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
- Product Storage Tank Scrubber (1500-11) shall be used in alternate service with the Truck Loading Scrubber (1500-65). Three alternate operating scenarios for scrubber operation shall be possible. In the first scenario, Scrubber 1500-11 shall be used at 100% with Scrubber 1500-65 at 0%. For the second scenario, Scrubber 1500-65 shall be used at 100% with Scrubber 1500-11 at 0%. In the third scenario, both scrubbers shall be operated in any combination between 0% and 100% with total emissions not to exceed emissions that occur from scenarios 1 or 2. (State Only)
- Scrubber Flow rate $\geq 450 \text{ lb/hr}$.
 Which Months: All Year Statistical Basis: None specified
- Flow rate monitored by flow rate monitoring device once every twelve hours.
 Which Months: All Year Statistical Basis: None specified
- Flow rate recordkeeping by electronic or hard copy once every twelve hours.
 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division.

EQT0115 1500-67 Ammonia Unloading Compressor Cleanup Drum

- Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
- Emits Class III TAP only. MACT is not required.

FUG0001 1500-58 Diamines Fugitive Emissions

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302	[40 CFR 61.110(c)]	Maintain records as required in 40 CFR 61.246(i) if one of the exemptions in 61.110(c) applies. Subpart J. [40 CFR 61.110(c)]
303	[40 CFR 61.246(i)]	Equipment/operational data recordkeeping by logbook at the regulation's specified frequency. Record an analysis demonstrating the design capacity of the process unit, and an analysis demonstrating that the equipment is not in VHAP service. Keep records in a readily accessible location for use in determining exemptions as provided in 40 CFR 61.240 and other specific subparts. Subpart V. [40 CFR 61.246(i)]
304	[40 CFR 61.271(c)(1)]	As determined in 40 CFR 61.242-11 (Subpart V), operate the closed vent system with no detectable emissions as specified in 61.271(c)(1). Benzene emissions from tank 1500-34C are routed thru a closed vent system and control device (flare 1500-34/1500-66). Subpart Y. [40 CFR 61.271(c)(1)]
305	[40 CFR 61.271(c)(1)]	Closed vent system: Benzene < 500 ppm above background. Subpart Y. [40 CFR 61.271(c)(1)]
306	[40 CFR 61.271(c)(1)]	Which Months: All Year Statistical Basis: None specified Closed vent system: Benzene monitored by visual inspection/determination at the regulation's specified frequency. Monitor as determined in 40 CFR 61.242-11. Subpart Y. [40 CFR 61.271(c)(1)]
307	[40 CFR 61.271(c)(1)]	Which Months: All Year Statistical Basis: None specified Closed vent system: Ensure that system is designed to collect all benzene vapors and gases discharged from the storage vessel. Subpart Y. [40 CFR 61.271(c)(1)]
308	[40 CFR 63.162(c)]	Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]
309	[40 CFR 63.162(f)]	Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(1)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]
310	[40 CFR 63.163(b)(1)]	Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III), pumps handling polymerizing monomers, 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
311	[40 CFR 63.163(b)(3)]	Which Months: All Year Statistical Basis: None specified Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]
312	[40 CFR 63.163(c)]	Which Months: All Year Statistical Basis: None specified Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.163(c)
313	[40 CFR 63.163(d)(2)]	Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
314	[40 CFR 63.163(d)(4)]	Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]

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FUG0001 1500-58 Diamines Fugitive Emissions

315	[40 CFR 63.163(e)(1)]	Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(1)]
316	[40 CFR 63.163(e)(2)]	Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(2)]
317	[40 CFR 63.163(e)(3)]	Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(3)]
318	[40 CFR 63.163(e)(4)]	Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(4)]
319	[40 CFR 63.163(e)(6)(ii)]	Which Months: All Year Statistical Basis: None specified Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)(ii)]
320	[40 CFR 63.163(e)(6)]	Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)]
321	[40 CFR 63.163(e)]	Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)]
322	[40 CFR 63.163(h)]	Which Months: All Year Statistical Basis: None specified Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.163(b)(3) and (e)(4), and the daily requirements of 40 CFR 63.163(e)(5). Subpart H. [40 CFR 63.163(h)]
323	[40 CFR 63.163(j)(1)]	Which Months: All Year Statistical Basis: None specified Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(1)]

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324	[40 CFR 63.163(j)(2)]	Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(2)]
325	[40 CFR 63.164(a)]	Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]
326	[40 CFR 63.164(b)]	Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]
327	[40 CFR 63.164(c)]	Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.164(c)]
328	[40 CFR 63.164(d)]	Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]
329	[40 CFR 63.164(e)(2)]	Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]
330	[40 CFR 63.164(e)]	Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]
331	[40 CFR 63.164(i)(2)]	Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 63.164(a) through (h). Subpart H. [40 CFR 63.164(i)(2)]
332	[40 CFR 63.164]	Which Months: All Year Statistical Basis: None specified Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H.
333	[40 CFR 63.165(a)]	Which Months: All Year Statistical Basis: None specified Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]
334	[40 CFR 63.165(b)(1)]	Which Months: All Year Statistical Basis: None specified Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]
335	[40 CFR 63.165(b)(2)]	Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]
		Which Months: All Year Statistical Basis: None specified

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336	[40 CFR 63.165(d)(2)]	Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]
337	[40 CFR 63.166]	Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H.
338	[40 CFR 63.167]	Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H.
339	[40 CFR 63.168(c)]	Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
340	[40 CFR 63.168(c)]	Which Months: All Year Statistical Basis: None specified Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
341	[40 CFR 63.168(d)(1)]	Which Months: All Year Statistical Basis: None specified Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]
342	[40 CFR 63.168(d)(2)]	Which Months: All Year Statistical Basis: None specified Valves in gas/vapor service or light liquid service (Phase II, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]
343	[40 CFR 63.168(e)(1)]	Which Months: All Year Statistical Basis: None specified Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]
344	[40 CFR 63.168(f)(3)]	Which Months: All Year Statistical Basis: None specified Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]
345	[40 CFR 63.168(f)]	Which Months: All Year Statistical Basis: None specified Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
346	[40 CFR 63.168(h)(1)]	Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]

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347 [40 CFR 63.168(h)(2)]	Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(2)]
348 [40 CFR 63.168(i)(1)]	Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(1)]
349 [40 CFR 63.168(i)(3)]	Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(3)]
350 [40 CFR 63.169(a)]	Which Months: All Year Statistical Basis: None specified Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]
351 [40 CFR 63.169(c)]	Which Months: All Year Statistical Basis: None specified Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]
352 [40 CFR 63.170]	Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H, Table 2 or Table 3. Subpart H.
353 [40 CFR 63.172(f)(1)(i)]	Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]
354 [40 CFR 63.172(f)(1)(ii)]	Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]
355 [40 CFR 63.172(f)(2)(i)]	Which Months: All Year Statistical Basis: None specified Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(i)]
	Which Months: All Year Statistical Basis: None specified

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356	[40 CFR 63.172(f)(2)(ii)]	Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(iii)]
357	[40 CFR 63.172(h)]	Which Months: All Year Statistical Basis: None specified Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]
358	[40 CFR 63.172(j)(1)]	Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install flow indicator at the entrance to any bypass line. Subpart H. [40 CFR 63.172(j)(1)]
359	[40 CFR 63.172(j)(1)]	Which Months: All Year Statistical Basis: None specified Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Generate records as specified in 40 CFR 63.118(a)(3). Subpart H. [40 CFR 63.172(j)(1)]
360	[40 CFR 63.172(j)(2)]	Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]
361	[40 CFR 63.172(j)(2)]	Which Months: All Year Statistical Basis: None specified Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]
362	[40 CFR 63.172(k)(1)]	Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(1)]
363	[40 CFR 63.172(k)(2)]	Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.172(h)(1) and (h)(2). Subpart H. [40 CFR 63.172(k)(2)]
364	[40 CFR 63.172(l)(1)]	Which Months: All Year Statistical Basis: None specified Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(1)]
365	[40 CFR 63.172(l)(2)]	Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(2)]
366	[40 CFR 63.172(m)]	Which Months: All Year Statistical Basis: None specified Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]
367	[40 CFR 63.173(a)]	Agitators in gas/vapor service or liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected, a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]
		Which Months: All Year Statistical Basis: None specified

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368	[40 CFR 63.173(b)]	Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)]
369	[40 CFR 63.173(c)]	Which Months: All Year Statistical Basis: None Specified Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]
370	[40 CFR 63.173(d)(1)]	Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(1)]
371	[40 CFR 63.173(d)(2)]	Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(2)]
372	[40 CFR 63.173(d)(3)]	Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(3)]
373	[40 CFR 63.173(d)(4)]	Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal at the time of the weekly inspection, monitor the agitator as specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(4)]
374	[40 CFR 63.173(d)(6)(i)]	Which Months: All Year Statistical Basis: None Specified Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(i)]
375	[40 CFR 63.173(d)(6)]	Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)]
376	[40 CFR 63.173(d)]	Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily; or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)]

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377	[40 CFR 63.173(g)]	Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.173(b)(1) and (d)(4), and the daily requirements of 40 CFR 63.173(d)(5). Subpart H. [40 CFR 63.173(g)]
378	[40 CFR 63.173(h)(1)]	Which Months: All Year Statistical Basis: None specified Agitators in gas/vapor service or light liquid service (difficult to monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(1)]
379	[40 CFR 63.173(h)(3)]	Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(3)]
380	[40 CFR 63.173(j)(1)]	Which Months: All Year Statistical Basis: None specified Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]
381	[40 CFR 63.173(j)(2)]	Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(2)]
382	[40 CFR 63.174(b)(1)]	Which Months: All Year Statistical Basis: None specified Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]
383	[40 CFR 63.174(b)(2)]	Which Months: All Year Statistical Basis: None specified Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)]
384	[40 CFR 63.174(b)(3)(i)]	Which Months: All Year Statistical Basis: None specified Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]
385	[40 CFR 63.174(b)(3)(ii)]	Which Months: All Year Statistical Basis: None specified Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]

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386 [40 CFR 63.174(c)(1)(i)]	Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)]
387 [40 CFR 63.174(c)(2)(i)]	Which Months: All Year Statistical Basis: None specified Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]
388 [40 CFR 63.174(c)(2)(ii)]	Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]
389 [40 CFR 63.174(d)]	Which Months: All Year Statistical Basis: None specified Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]
390 [40 CFR 63.174(f)(1)]	Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (e). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(1)]
391 [40 CFR 63.174(f)(2)]	Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(2)]
392 [40 CFR 63.174(g)]	Which Months: All Year Statistical Basis: None specified Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(g)]
393 [40 CFR 63.174(h)(2)]	Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182. Subpart H. [40 CFR 63.174(h)(2)]
394 [40 CFR 63.174(i)]	Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]
395 [40 CFR 63.180]	Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H.
396 [40 CFR 63.181]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H.
397 [40 CFR 63.182(b)]	Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]

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- 398 [40 CFR 63.182(b)] Submit Initial Notification. Due within 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- 399 [40 CFR 63.182(b)] Submit application. Due as soon as practicable before the construction or reconstruction is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H). Submit application for approval of construction or reconstruction required by 40 CFR 63.5(d) in lieu of the Initial Notification. Subpart H. [40 CFR 63.182(b)]
- 400 [40 CFR 63.182(c)] Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]
- 401 [40 CFR 63.182(d)] Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(d). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]
- 402 [LAC 33:III.2111] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
- 403 [LAC 33:III.501.C.6] Comply with LAC 33:III.2121, 40 CFR 60 Subpart VV by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with 40 CFR 63 Subpart H. Refer to Attachment A of the Air Permit Briefing Sheet.
- 404 [LAC 33:III.501.C.6] The number of each type of component required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided:
- a. Changes in components involve routine maintenance, or are undertaken to address safety concerns, or involve small piping revisions with no associated emission increases except from the fugitive components themselves;
 - b. The changes do not involve any associated increase in production rate or capacity, or tie in of new or modified process equipment other than piping components;
 - c. Actual emissions following the changes will not exceed the emission limits contained in this permit; and
 - d. The components are promptly incorporated into any applicable leak detection and repair program.

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- 405 [40 CFR 60] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 406 [40 CFR 61.355] Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (l), as applicable. Subpart FF.
- 407 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 408 [40 CFR 61.357(a)] Submit report: Due within 90 days after January 7, 1993. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, by-products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]

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- Submit report: Due whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 1 Mg/yr (1.1 ton/yr) or more. Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3).
- Subpart FF: [40 CFR 61.357(b)]
- All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- Submit Periodic Reports: Due semiannually no later than 60 calendar days after the end of each 6-month period, except as specified in 40 CFR 63.152(c)(5) and (c)(6). Submit the first report no later than 8 months after the date the Notification of Compliance Status is due. Include the information specified in 40 CFR 63.152(c)(2) through (c)(4). Subpart G. [40 CFR 63.152(c)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records as specified in 40 CFR 63.152(f)(1) through (f)(7). Subpart G. [40 CFR 63.152(f)]
- All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Document that the nearest public receptor is beyond the distance to a toxic or flammable endpoint defined in 68.22. [40 CFR 68.12(b)(1)]
- Complete the five-year accident history for the process as provided in 68.42. [40 CFR 68.12(b)(2)]
- Ensure that response actions have been coordinated with local emergency planning and response agencies. [40 CFR 68.12(b)(3)]
- Include in the RMP the certification specified in 68.12(b)(4). [40 CFR 68.12(b)(4)]
- Submit Risk Management Plan (RMP): Due no later than June 21, 1999, or three years after the date on which a regulated substance is first listed under 68.130, or the date on which a regulated substance is first present above a threshold quantity in a process. Submit in a method and format to a central point as specified by EPA prior to June 21, 1999.
- Provide in the RMP an executive summary that includes a brief description of the elements listed in 68.155(a) through (g).
- Complete a single registration form and include in the RMP. Cover all regulated substances handled in covered processes. Include in the registration the information specified in 68.160(b)(1) through (13).
- Submit in the RMP information one worst-case release scenario for each Program 1 process. Include the data specified in 68.165(b)(1) through (13).
- Submit in the RMP the information provided in 68.42(b) on each accident covered by 68.42(a).
- Provide in the RMP the emergency response information listed in 68.180(a) through (c).
- Submit revised registration to EPA: Due within six months after a stationary source is no longer subject to 40 CFR 68. Indicate that the stationary source is no longer covered. [40 CFR 68.190(c)]
- Review and update the RMP as specified in 68.190(b) and submit it in a method and format to a central point specified by EPA prior to June 21, 1999.
- Maintain records supporting the implementation of 40 CFR 68 for five years unless otherwise provided.
- Use the endpoints specified in 68.22(a) through (g) for analyses of offsite consequences.
- Analyze the release scenarios in 68.25, as specified in 68.25(a) through (h).
- Identify and analyze at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes, as specified in 68.28(b) through (e).

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- 430 [40 CFR 68.30] Estimate in the RMP the population within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a).
 List in the RMP environmental receptors within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a).
- 431 [40 CFR 68.33] Submit revised RMP: Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36(b)]
- 432 [40 CFR 68.36(b)] Review and update the offsite consequence analysis at least once every five years. Complete a revised analysis within six months if changes in processes, quantities stored or handled, or any other aspect of the stationary source might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more.
- 433 [40 CFR 68.36] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (e) on the offsite consequence analyses.
- 434 [40 CFR 68.39] Include in the five-year accident history all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Include the information specified in 68.42(b)(1) through (10) for each accidental release.
- 435 [40 CFR 68.42] Submit Title V permit application for renewal. Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 436 [40 CFR 70.5(a)(1)(iii)] Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 437 [40 CFR 70.6(a)(3)(iii)(A)] Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]
- 438 [40 CFR 70.6(a)(3)(iii)(B)] Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 439 [40 CFR 70.6(c)(5)(iv)] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 440 [LAC 33:III.1103] Outdoor burning of waste material or other combustible material is prohibited.
- 441 [LAC 33:III.1109.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 442 [LAC 33:III.1303.B] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.

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- Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
- Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.
- Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
- Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- Submit Annual Emissions Report (TEDI): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:1.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:1.3923.
- Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:1.3931.
- Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.

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- Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III:Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III:5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
- Submit notification in writing. Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
- Submit notification in writing. Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
- Activate the preplanned abatement strategy listed in LAC 33:III:5611.Table 5 when the administrative authority declares an Air Pollution Alert.
- Activate the preplanned strategy listed in LAC 33:III:5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- Activate the preplanned abatement strategy listed in LAC 33:III:5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
- Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III:5611.Tables 5, 6, and 7.
- Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III:5901.
- Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III:5907, or Table 59.1 of LAC 33:III:5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III:Chapter 59, whichever is later. Include the information listed in LAC 33:III:5911.B, and submit to the Office of Environmental Compliance.
- Submit amended registration: Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.
- Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III:919.A-D.
- Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1:Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1:3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.